UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

CLASSIFICATION AND CORRELATION
OF THE SOILS OF
BARTHOLOMEW COUNTY, INDIANA

A SUBSET OF MLRAs 111, 114, and 120

March 2002

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HEADNOTE FOR DETAILED SOIL SURVEY LEGEND

This update of Bartholomew County, Indiana is an update subset of the Soil Survey of Major Land Resource Areas (MLRA) 111, 114, and 120. Map units, the representative map unit symbols, and special and conventional symbols are consistent between subsets that are being updated. Map unit symbols consist of a combination of letters and numbers. The initial letters represent the kind of soil. A capital letter following the first three letters indicates the class of slope. A second capital letter indicates the flooding frequency and duration. The letter H indicates the soil is frequently flooded for brief duration, the letter V indicates the soil is frequently flooded for very brief duration, the letter K indicates the soil is occasionally flooded for brief duration, the letter W indicates the soil is occasionally flooded for very brief duration, and the letter Q indicates the soil is rarely flooded. A final number of 2 following the slope letter indicates that the soil is moderately eroded, a number 3 indicates that it is severely eroded, and a number 5 indicates that it is a gullied phase. Absence of a number following the slope class indicates that the soil is slightly eroded or non-eroded.

SOIL CORRELATION OF
BARTHOLOMEW COUNTY, INDIANA
MARCH 2002

Field symbols	Field map unit name	Publication symbol	Approved map unit name
12A	Nabb silt loam, 0 to 2 percent slopes	AddA	Avonburg silt loam, 0 to 2 percent slopes
AvA	Avonburg silt loam, 0 to 2 percent slopes	AddA	Avonburg silt loam, 0 to 2 percent slopes
AvB2	Avonburg silt loam, 2 to 4 percent slopes, eroded	AddB2	Avonburg silt loam, 2 to 4 percent slopes, eroded
RsB2	Rossmoyne silt loam, 2 to 6 percent slopes, eroded	AddB2	Avonburg silt loam, 2 to 4 percent slopes, eroded
AfsB	Alvin-Princeton fine sandy loams, 2 to 6 percent slopes	AfsB	Alvin-Princeton fine sandy loams, 2 to 6 percent slopes
PrB	Princeton fine sandy loam, 2 to 6 percent slopes	AfsB	Alvin-Princeton fine sandy loams, 2 to 6 percent slopes
AfsC2	Alvin-Princeton fine sandy loams, 6 to 12 percent slopes, eroded	AfsC2	Alvin-Princeton fine sandy loams, 6 to 12 percent slopes, eroded
PrC2	Princeton fine sandy loam, 6 to 12 percent slopes, eroded	AfsC2	Alvin-Princeton fine sandy loams, 6 to 12 percent slopes, eroded
Ay	Ayrshire fine sandy loam, 0 to 2 percent slopes	AmkA	Ayrshire fine sandy loam, 0 to 2 percent slopes
10A	Haubstadt silt loam, 0 to 2 percent slopes	BbhA	Bartle silt loam, 0 to 2 percent slopes
14A	Haubstadt silt loam, 0 to 2 percent slopes	BbhA	Bartle silt loam, 0 to 2 percent slopes
Ba	Bartle silt loam	BbhA	Bartle silt loam, 0 to 2 percent slopes
Babr	Bartle silt loam, 0 to 3 percent slopes	BbhA	Bartle silt loam, 0 to 2 percent slopes
BbhA	Bartle silt loam, 0 to 2 percent slopes	BbhA	Bartle silt loam, 0 to 2 percent slopes
DfnA	Dubois silt loam, 0 to 2 percent slopes	BbhA	Bartle silt loam, 0 to 2 percent slopes
Du	Dubois silt loam	BbhA	Bartle silt loam, 0 to 2 percent slopes
BbmB	Bartle-Pekin silt loams, 2 to 6 percent slopes	BbiB	Bartle-Pekin silt loams, 2 to 6 percent slopes
PeB	Pekin silt loam, 2 to 6 percent slopes	BbiB	Bartle-Pekin silt loams, 2 to 6 percent slopes
BcrAW	Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration	BcrAW	Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration
Be	Beanblossom channery silt loam, occasionally flooded	BcrAW	Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration
Bu	Burnside loam	BcrAW	Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration
Hc	Haymond silt loam, frequently flooded	BcrAW	Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration

BdhAH	Bellcreek silty clay loam, 0 to 1 percent slopes, frequently flooded, brief duration	BdhAH	Bellcreek silty clay loam, 0 to 1 percent slopes, frequently flooded, brief duration
Sc	Saranac silty clay loam	BdhAH	Bellcreek silty clay loam, 0 to 1 percent slopes, frequently flooded, brief duration
BfbAH	Bellcreek silt loam, 0 to 1 percent slopes, frequently flooded, brief duration	BfbAH	Bellcreek silt loam, 0 to 1 percent slopes, frequently flooded, brief duration
Sa	Saranac silt loam, overwash	BfbAH	Bellcreek silt loam, 0 to 1 percent slopes, frequently flooded, brief duration
BgeAW	Birds silt loam, 0 to 1 percent slopes, occasionally flooded, very brief duration	BgeAW	Birds silt loam, 0 to 1 percent slopes, occasionally flooded, very brief duration
Bo	Bonnie silt loam	BgeAW	Birds silt loam, 0 to 1 percent slopes, occasionally flooded, very brief duration
Pt	Petrolia silty clay loam, 0 to 1 percent slope, frequently flooded, brief duration	BgeAW	Birds silt loam, 0 to 1 percent slopes, occasionally flooded, very brief duration
13C	Bonnell silt loam, 6 to 12 percent slopes	BlgC2	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, eroded
BldC2	Blocher silt loam, 6 to 12 percent slopes, eroded	BlgC2	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, eroded
BlgC2	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, eroded	BlgC2	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, eroded
CkkC2	Cincinnati silt loam, 6 to 12 percent slopes, eroded	BlgC2	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, eroded

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
CnC2	Cincinnati silt loam, 6 to 12 percent slopes, eroded	BlgC2	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, eroded
CnC2br	Cincinnati silt loam, 6 to 12 percent slopes, eroded	BlgC2	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, eroded
CnC3	Cincinnati silt loam, 6 to 12 percent slopes, severely eroded	BlgC2	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, eroded
HkC2	Hickory silt loam, 6 to 12 percent slopes, eroded	BlgC2	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, eroded
HoC3	Hickory silty clay loam, 6 to 12 percent slopes, severely eroded	BlgC2	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, eroded
13C3	Bonnell silty clay loam, 6 to 12 percent slopes, severely eroded	BlgC3	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, severely eroded
BleC3	Blocher silty clay loam, 6 to 12 percent slopes, severely eroded	BlgC3	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, severely eroded
BlgC3	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, severely eroded	BlgC3	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, severely eroded
CkkC3	Cincinnati silt loam, 6 to 12 percent slopes, severely eroded	BlgC3	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, severely eroded
CnC3	Cincinnati silt loam, 6 to 12 percent slopes, severely eroded	BlgC3	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, severely eroded
Gu	Gullied land	BlgC3	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, severely eroded
HoC3	Hickory silty clay loam, 6 to 12 percent slopes, severely eroded	BlgC3	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, severely eroded
BleE2	Blocher-Bonnell silt loams, 12 to 25 percent slopes, eroded	BlhD2	Blocher-Bonnell silt loams, 12 to 25 percent slopes, eroded
BnD2	Bonnell loam, 12 to 20 percent slopes	BlhD2	Blocher-Bonnell silt loams, 12 to 25 percent slopes, eroded
CkkD2	Cincinnati silt loam, 12 to 18 percent slopes, eroded	BlhD2	Blocher-Bonnell silt loams, 12 to 25 percent slopes, eroded
CnD2	Cincinnati silt loam, 12 to 18 percent slopes, eroded	BlhD2	Blocher-Bonnell silt loams, 12 to 25 percent slopes, eroded
HeoD2	Hickory silt loam, 12 to 18 percent slopes, eroded	BlhD2	Blocher-Bonnell silt loams, 12 to 25 percent slopes, eroded
HeoE2	Hickory silt loam, 18 to 25 percent slopes, eroded	BlhD2	Blocher-Bonnell silt loams, 12 to 25 percent slopes, eroded
HkD2	Hickory silt loam, 12 to 18 percent slopes,	BlhD2	Blocher-Bonnell silt loams, 12 to 25 percent

	eroded		slopes, eroded
HkE2	Hickory silt loam, 18 to 25 percent slopes, eroded	BlhD2	Blocher-Bonnell silt loams, 12 to 25 percent slopes, eroded
OmkD2	Otwell silt loam, 12 to 18 percent slopes, eroded	BlhD2	Blocher-Bonnell silt loams, 12 to 25 percent slopes, eroded
OtD2	Otwell silt loam, 12 to 18 percent slopes, eroded	BlhD2	Blocher-Bonnell silt loams, 12 to 25 percent slopes, eroded
BluC	Bloomfield-Alvin loamy sands, 6 to 12 percent slopes	BluC	Bloomfield-Alvin loamy sands, 6 to 12 percent slopes
BmC	Bloomfield loamy fine sand, 6 to 12 percent slopes	BluC	Bloomfield-Alvin loamy sands, 6 to 12 percent slopes
BhbE3	Bonnell-Hickory-Blocher complex, 10 to 20 percent slopes, severely eroded	BnuD3	Bonnell-Hickory-Blocher complex, 12 to 25 percent slopes, severely eroded
BnuD3	Bonnell-Hickory-Blocher complex, 12 to 20 percent slopes, severely eroded	BnuD3	Bonnell-Hickory-Blocher complex, 12 to 25 percent slopes, severely eroded
BpD3	Bonnell clay loam, 12 to 20 percent slopes, gullied	BnuD3	Bonnell-Hickory-Blocher complex, 12 to 25 percent slopes, severely eroded
CkkD3	Cincinnati silt loam, 12 to 18 percent slopes, severely eroded	BnuD3	Bonnell-Hickory-Blocher complex, 12 to 25 percent slopes, severely eroded
CnD3	Cincinnati silt loam, 12 to 18 percent slopes, severely eroded	BnuD3	Bonnell-Hickory-Blocher complex, 12 to 25 percent slopes, severely eroded
HifD3	Hickory silty clay loam, 12 to 18 percent slopes, severely eroded	BnuD3	Bonnell-Hickory-Blocher complex, 12 to 25 percent slopes, severely eroded
HoD3	Hickory silty clay loam, 12 to 18 percent slopes, severely eroded	BnuD3	Bonnell-Hickory-Blocher complex, 12 to 25 percent slopes, severely eroded
BobE5	Bonnell-Hickory clay loams, 15 to 30 percent slopes, gullied	BobE5	Bonnell-Hickory clay loams, 15 to 30 percent slopes, gullied

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
BpD3	Bonnell clay loam, 12 to 20 percent slopes, gullied	BobE5	Bonnell-Hickory clay loams, 15 to 30 percent slopes, gullied
Gu	Gullied land	BobE5	Bonnell-Hickory clay loams, 15 to 30 percent slopes, gullied
Bo	Bonnie silt loam	BodAV	Bonnie silt loam, 0 to 1 percent slopes, frequently flooded, very brief duration
BodAH	Bonnie silt loam, 0 to 1 percent slopes, frequently flooded, brief duration	BodAV	Bonnie silt loam, 0 to 1 percent slopes, frequently flooded, very brief duration
BodAV	Bonnie silt loam, 0 to 1 percent slopes, frequently flooded, very brief duration	BodAV	Bonnie silt loam, 0 to 1 percent slopes, frequently flooded, very brief duration
CkkB2	Cincinnati silt loam, 2 to 6 percent slopes, eroded	CldB2	Cincinnati-Blocher silt loams, 2 to 6 percent slopes, eroded
CldB2	Cincinnati-Blocher silt loams, 2 to 6 percent slopes, eroded	CldB2	Cincinnati-Blocher silt loams, 2 to 6 percent slopes, eroded
CnB2	Cincinnati silt loam, 2 to 6 percent slopes, eroded	CldB2	Cincinnati-Blocher silt loams, 2 to 6 percent slopes, eroded
RoB2	Rossmoyne silt loam, 2 to 6 percent slopes, eroded	CldB2	Cincinnati-Blocher silt loams, 2 to 6 percent slopes, eroded
ClfA	Cobbsfork silt loam, 0 to 1 percent slopes	ClfA	Cobbsfork silt loam, 0 to 1 percent slopes
Cr	Clermont silt loam	ClfA	Cobbsfork silt loam, 0 to 1 percent slopes
Cabr	Chagrin silt loam, occasionally flooded	CmbAW	Cohoctah loam, 0 to 1 percent slopes, occasionally flooded, very brief duration
CmbAW	Cohoctah loam, 0 to 1 percent slopes, occasionally flooded, very brief duration	CmbAW	Cohoctah loam, 0 to 1 percent slopes, occasionally flooded, very brief duration
CmzA	Cliftycreek silt loam, 0 to 2 percent slopes	CmzA	Cliftycreek silt loam, 0 to 2 percent slopes
MtA	Milton silt loam, 0 to 2 percent slopes	CmzA	Cliftycreek silt loam, 0 to 2 percent slopes
CmzB2	Cliftycreek silt loam, 2 to 6 percent slopes, eroded	CmzB2	Cliftycreek silt loam, 2 to 6 percent slopes, eroded
MtB2	Milton silt loam, 2 to 6 percent slopes, eroded	CmzB2	Cliftycreek silt loam, 2 to 6 percent slopes, eroded
CmzC2	Cliftycreek silt loam, 6 to 12 percent slopes, eroded	CmzC2	Cliftycreek silt loam, 6 to 12 percent slopes, eroded

MtC2	Milton silt loam, 6 to 12 percent slopes, eroded	CmzC2	Cliftycreek silt loam, 6 to 12 percent slopes, eroded
ColD2	Coolville-Rarden-Stonehead silt loams, 12 to 18 percent slopes, eroded	ColD2	Coolville-Rarden-Stonehead silt loams, 12 to 18 percent slopes, eroded
RaD2	Rarden silt loam, 12 to 18 percent slopes, eroded	ColD2	Coolville-Rarden-Stonehead silt loams, 12 to 18 percent slopes, eroded
RcsD2	Rarden silt loam, 12 to 18 percent slopes, eroded	ColD2	Coolville-Rarden-Stonehead silt loams, 12 to 18 percent slopes, eroded
ReD3	Rarden silty clay loam, 12 to 18 percent slopes, severely eroded	ColD2	Coolville-Rarden-Stonehead silt loams, 12 to 18 percent slopes, eroded
RkF	Rockcastle silty clay loam, 18 to 35 percent slopes	ColD2	Coolville-Rarden-Stonehead silt loams, 12 to 18 percent slopes, eroded
ConC3	Coolville-Rarden complex, 6 to 12 percent slopes, severely eroded	ConC3	Coolville-Rarden complex, 6 to 12 percent slopes, severely eroded
Gu	Gullied land	ConC3	Coolville-Rarden complex, 6 to 12 percent slopes, severely eroded
RaC2	Rarden silt loam, 6 to 12 percent slopes, eroded	ConC3	Coolville-Rarden complex, 6 to 12 percent slopes, severely eroded
RcsC2	Rarden silt loam, 6 to 12 percent slopes, eroded	ConC3	Coolville-Rarden complex, 6 to 12 percent slopes, severely eroded
CwB	Crosby silt loam, 1 to 5 percent slopes	CudA	Crosby silt loam, 0 to 2 percent slopes
CzA	Crosby silt loam, 0 to 2 percent slopes	CudA	Crosby silt loam, 0 to 2 percent slopes
CulB	Crosby-Williamstown silt loams, 2 to 4 percent slopes	CulB	Crosby-Williamstown silt loams, 2 to 4 percent slopes
CwB	Crosby silt loam, 1 to 5 percent slopes	CulB	Crosby-Williamstown silt loams, 2 to 4 percent slopes
CzB2	Crosby silt loam, 2 to 4 percent slopes, eroded	CulB	Crosby-Williamstown silt loams, 2 to 4 percent slopes
Br	Brookston silty clay loam	CxdA	Cyclone silty clay loam, 0 to 1 percent slopes

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
CxdA	Cyclone silty clay loam, 0 to 1 percent slopes	CxdA	Cyclone silty clay loam, 0 to 1 percent slopes
Zp	Zipp silty clay loam	CxdA	Cyclone silty clay loam, 0 to 1 percent slopes
BnD2	Bonnell loam, 12 to 20 percent slopes	DbqE	Deam silt loam, 15 to 30 percent slopes
DbqE	Deam silt loam, 15 to 30 percent slopes	DbqE	Deam silt loam, 15 to 30 percent slopes
HkFbr	Hickory silt loam, 20 to 70 percent slopes	DbqE	Deam silt loam, 15 to 30 percent slopes
EcyAH	Eel loam, 0 to 2 percent slopes, frequently flooded, brief duration	EcyAH	Eel loam, 0 to 2 percent slopes, frequently flooded, brief duration
Ee	Eel silt loam	EcyAH	Eel loam, 0 to 2 percent slopes, frequently flooded, brief duration
Sy	Stonelick loam, gravelly substratum, frequently flooded	EcyAH	Eel loam, 0 to 2 percent slopes, frequently flooded, brief duration
EcyAW	Eel loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	EcyAW	Eel loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
Ee	Eel silt loam	EcyAW	Eel loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
Cabr	Chagrin silt loam, occasionally flooded	EdeAW	Eel silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
EdeAW	Eel silt loam,0 to 2 percent slopes, occasionally flooded, very brief duration	EdeAW	Eel silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
Ca	Camden silt loam, 0 to 2 percent slopes	EepAQ	Elkinsville silt loam, 0 to 2 percent slopes, rarely flooded
CbeA	Camden silt loam, 0 to 2 percent slopes	EepAQ	Elkinsville silt loam, 0 to 2 percent slopes, rarely flooded
EepAQ	Elkinsville silt loam, 0 to 2 percent slopes, rarely flooded	EepAQ	Elkinsville silt loam, 0 to 2 percent slopes, rarely flooded
CwB	Crosby silt loam, 1 to 5 percent slopes	FdbA	Fincastle silt loam, 0 to 2 percent slopes
FcA	Fincastle silt loam, 0 to 2 percent slopes	FdbA	Fincastle silt loam, 0 to 2 percent slopes

CwB	Crosby silt loam, 1 to 5 percent slopes	FdqB	Fincastle-Xenia silt loams, 2 to 4 percent slopes
FcB2	Fincastle silt loam, 2 to 4 percent slopes, eroded	FdqB	Fincastle-Xenia silt loams, 2 to 4 percent slopes
FdqB	Fincastle-Xenia silt loams, 2 to 4 percent slopes	FdqB	Fincastle-Xenia silt loams, 2 to 4 percent slopes
FoA	Fox loam, 0 to 2 percent slopes	FexA	Fox loam, 0 to 2 percent slopes
FexAQ	Fox loam, 0 to 2 percent slopes, rarely flooded	FexAQ	Fox loam, 0 to 2 percent slopes, rarely flooded
FoA	Fox loam, 0 to 2 percent slopes	FexAQ	Fox loam, 0 to 2 percent slopes, rarely flooded
FoB2	Fox loam, 2 to 6 percent slopes, eroded	FexB2	Fox loam, 2 to 6 percent slopes, eroded
FgqC3	Fox-Casco sandy loams, 6 to 12 percent slopes, severely eroded	FgqC3	Fox-Casco sandy loams, 6 to 12 percent slopes, severely eroded
FxC3	Fox complex, 6 to 12 percent slopes, severely eroded	FgqC3	Fox-Casco sandy loams, 6 to 12 percent slopes, severely eroded
GccAH	Genesee loam, 0 to 2 percent slopes, frequently flooded, brief duration	GccAH	Genesee loam, 0 to 2 percent slopes, frequently flooded, brief duration
Ge	Genesee loam	GccAH	Genesee loam, 0 to 2 percent slopes, frequently flooded, brief duration
Sy	Stonelick loam, gravelly substratum, frequently flooded	GccAH	Genesee loam, 0 to 2 percent slopes, frequently flooded, brief duration
GccAW	Genesee loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	GccAW	Genesee loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
Ge	Genesee loam	GccAW	Genesee loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
Cabr	Chagrin silt loam, occasionally flooded	GcpAW	Genesee silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
GcpAW	Genesee silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	GcpAW	Genesee silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
BeF	Berks and Weikert soils, 25 to 50 percent slopes	GgbG	Gilwood-Brownstown silt loams, 25 to 75 percent slopes
BgF	Berks-Trevlac-Wellston complex, 20 to 70 percent slopes	GgbG	Gilwood-Brownstown silt loams, 25 to 75 percent slopes

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
BvoG	Brownstown-Gilwood silt loams, 25 to 75 percent slopes	GgbG	Gilwood-Brownstown silt loams, 25 to 75 percent slopes
GgbG	Gilwood-Brownstown silt loams, 25 to 75 percent slopes	GgbG	Gilwood-Brownstown silt loams, 25 to 75 percent slopes
GmrE	Gnawbone silt loam, 18 to 25 percent slopes	GgbG	Gilwood-Brownstown silt loams, 25 to 75 percent slopes
GpE	Gilpin silt loam, 18 to 25 percent slopes	GgbG	Gilwood-Brownstown silt loams, 25 to 75 percent slopes
GgfD2	Gilwood-Wrays silt loams, 12 to 25 percent slopes, eroded	GgfD2	Gilwood-Wrays silt loams, 12 to 25 percent slopes, eroded
GgfE	Gilwood-Wrays silt loams, 12 to 25 percent slopes	GgfD2	Gilwood-Wrays silt loams, 12 to 25 percent slopes, eroded
GmrD2	Gnawbone silt loam, 12 to 18 percent slopes, eroded	GgfD2	Gilwood-Wrays silt loams, 12 to 25 percent slopes, eroded
GmrD3	Gnawbone silt loam, 12 to 18 percent slopes, severely eroded	GgfD2	Gilwood-Wrays silt loams, 12 to 25 percent slopes, eroded
GpD2	Gilpin silt loam, 12 to 18 percent slopes, eroded	GgfD2	Gilwood-Wrays silt loams, 12 to 25 percent slopes, eroded
GpD3	Gilpin silt loam, 12 to 18 percent slopes, severely eroded	GgfD2	Gilwood-Wrays silt loams, 12 to 25 percent slopes, eroded
GpE	Gilpin silt loam, 18 to 25 percent slopes	GgfD2	Gilwood-Wrays silt loams, 12 to 25 percent slopes, eroded
WeC2	Wellston-Gilpin silt loams, 6 to 20 percent slopes, eroded	GgfD2	Gilwood-Wrays silt loams, 12 to 25 percent slopes, eroded
2	Cuba silt loam, 0 to 2 percent slopes,	HcgAW	Haymond silt loam, 0 to 2 percent slopes,

	frequently flooded, brief duration		occasionally flooded, very brief duration
Ha	Haymond silt loam	HcgAW	Haymond silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
HcgAH	Haymond silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	HcgAW	Haymond silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
HcgAW	Haymond silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	HcgAW	Haymond silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
Cabr	Chagrin silt loam, occasionally flooded	HctAW	Haymond-Wirt silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration
Ge	Genesee loam	HctAW	Haymond-Wirt silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration
HctAW	Haymond-Wirt silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration	HctAW	Haymond-Wirt silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration
CdF	Chetwynd loam, 20 to 50 percent slopes	HeoF	Hickory silt loam, 25 to 50 percent slopes
HkF	Hickory silt loam, 25 to 50 percent slopes	HeoF	Hickory silt loam, 25 to 50 percent slopes
HkFbr	Hickory silt loam, 20 to 70 percent slopes	HeoF	Hickory silt loam, 25 to 50 percent slopes
HleAW	Holton silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	HleAW	Holton silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
Sh	Shoals silt loam	HleAW	Holton silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
BeF	Berks and Weikert soils, 25 to 50 percent slopes	KugG	Kurtz-Gnawbone silt loams, 20 to 60 percent slopes
BgF	Berks-Trevlac-Wellston complex, 20 to 70 percent slopes	KugG	Kurtz-Gnawbone silt loams, 20 to 60 percent slopes
KugG	Kurtz-Gnawbone silt loams, 20 to 60 percent slopes	KugG	Kurtz-Gnawbone silt loams, 20 to 60 percent slopes
KxlG	Kurtz silt loam, 20 to 55 percent slopes	KugG	Kurtz-Gnawbone silt loams, 20 to 60 percent slopes
RkF	Rockcastle silty clay loam, 18 to 35 percent slopes	KugG	Kurtz-Gnawbone silt loams, 20 to 60 percent slopes
Babr	Bartle silt loam, 0 to 3 percent slopes	LeaA	Lauer silt loam, 0 to 2 percent slopes
Hh	Henshaw silt loam	LeaA	Lauer silt loam, 0 to 2 percent slopes
LeaA	Lauer silt loam, 0 to 2 percent slopes	LeaA	Lauer silt loam, 0 to 2 percent slopes
Mc	McGary silt loam	LeaA	Lauer silt loam, 0 to 2 percent slopes

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
MaB	Martinsville loam, 1 to 6 percent slopes	MecAQ	Martinsville loam, 0 to 2 percent slopes, rarely flooded
MecAQ	Martinsville loam, 0 to 2 percent slopes, rarely flooded	MecAQ	Martinsville loam, 0 to 2 percent slopes, rarely flooded
Sy	Stonelick loam, gravelly substratum, frequently flooded	MecAQ	Martinsville loam, 0 to 2 percent slopes, rarely flooded
MaB	Martinsville loam, 1 to 6 percent slopes	MecB	Martinsville loam, 2 to 6 percent slopes
MbB2	Martinsville loam, 2 to 6 percent slopes, eroded	MecB	Martinsville loam, 2 to 6 percent slopes
MecB	Martinsville loam, 2 to 6 percent slopes	MecB	Martinsville loam, 2 to 6 percent slopes
Ca	Camden silt loam, 0 to 2 percent slopes	MfwA	Martinsville loam, sandy substratum, 0 to 2 percent slopes
CbeA	Camden silt loam, 0 to 2 percent slopes	MfwA	Martinsville loam, sandy substratum, 0 to 2 percent slopes
MbA	Martinsville loam, 0 to 2 percent slopes	MfwA	Martinsville loam, sandy substratum, 0 to 2 percent slopes
MfwA	Martinsville loam, sandy substratum, 0 to 2 percent slopes	MfwA	Martinsville loam, sandy substratum, 0 to 2 percent slopes
MbA	Martinsville loam, 0 to 2 percent slopes	MfwAQ	Martinsville loam, sandy substratum, 0 to 2 percent slopes, rarely flooded

MfwAQ	Martinsville loam, sandy substratum, 0 to 2 percent slopes, rarely flooded	MfwAQ	Martinsville loam, sandy substratum, 0 to 2 percent slopes, rarely flooded
MbB2	Martinsville loam, 2 to 6 percent slopes, eroded	MfwB2	Martinsville loam, sandy substratum, 2 to 6 percent slopes, eroded
MfwB2	Martinsville loam, sandy substratum, 2 to 6 percent slopes, eroded	MfwB2	Martinsville loam, sandy substratum, 2 to 6 percent slopes, eroded
MaA	Martinsville sandy loam, 0 to 2 percent slopes	MfxA	Martinsville sandy loam, sandy substratum, 0 to 2 percent slopes
MfxA	Martinsville sandy loam, sandy substratum, 0 to 2 percent slopes	MfxA	Martinsville sandy loam, sandy substratum, 0 to 2 percent slopes
Mc	McGary silt loam	MhuA	McGary silt loam, 0 to 2 percent slopes
MhuA	McGary silt loam, 0 to 2 percent slopes	MhuA	McGary silt loam, 0 to 2 percent slopes
MhyB	Medora silt loam, 2 to 6 percent slopes	MhyB	Medora silt loam, 2 to 6 percent slopes
PeB	Pekin silt loam, 2 to 6 percent slopes	MhyB	Medora silt loam, 2 to 6 percent slopes
RoB2	Rossmoyne silt loam, 2 to 6 percent slopes, eroded	MhyB	Medora silt loam, 2 to 6 percent slopes
CnC2br	Cincinnati silt loam, 6 to 12 percent slopes, eroded	MhyC2	Medora silt loam, 6 to 12 percent slopes, eroded
MhyC2	Medora silt loam, 6 to 12 percent slopes, eroded	MhyC2	Medora silt loam, 6 to 12 percent slopes, eroded
PeC2	Pekin silt loam, 6 to 12 percent slopes, eroded	MhyC2	Medora silt loam, 6 to 12 percent slopes, eroded
Md	Medway silty clay loam	MjjAH	Medway silty clay loam, 0 to 2 percent slopes, frequently flooded, brief duration
MjjAH	Medway silty clay loam, 0 to 2 percent slopes, frequently flooded, brief duration	MjjAH	Medway silty clay loam, 0 to 2 percent slopes, frequently flooded, brief duration
MoC3	Miami clay loam, 6 to 12 percent slopes, severely eroded	MmoC3	Miami clay loam, 6 to 12 percent slopes, severely eroded
MoD3	Miami clay loam, 12 to 18 percent slopes, severely eroded	MmoD3	Miami clay loam, 12 to 18 percent slopes, severely eroded
MmB2	Miami silt loam, 2 to 6 percent slopes, eroded	MnpB2	Miami silt loam, 2 to 6 percent slopes, eroded
MoB3	Miami clay loam, 2 to 6 percent slopes, severely eroded	MnpB2	Miami silt loam, 2 to 6 percent slopes, eroded
MmC2	Miami silt loam, 6 to 12 percent slopes, eroded	MnpC2	Miami silt loam, 6 to 12 percent slopes, eroded
MmD2	Miami silt loam, 12 to 18 percent slopes, eroded	MnpD2	Miami silt loam, 12 to 18 percent slopes, eroded
MtA	Milton silt loam, 0 to 2 percent slopes	MqbA	Milton silt loam, 0 to 2 percent slopes
MtB2	Milton silt loam, 2 to 6 percent slopes, eroded	MqbB2	Milton silt loam, 2 to 6 percent slopes, eroded
MtC2	Milton silt loam, 6 to 12 percent slopes, eroded	MqbC2	Milton silt loam, 6 to 12 percent slopes, eroded

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
CyF	Corydon stony silt loam, 25 to 40 percent slopes	MrbF	Milton-Rock outcrop complex, 25 to 40 percent slopes
MrbF	Milton-Rock outcrop complex, 25 to 40 percent slopes	MrbF	Milton-Rock outcrop complex, 25 to 40 percent slopes
12B	Nabb silt loam, 2 to 6 percent slopes	NaaB2	Nabb silt loam, 2 to 6 percent slopes, eroded
AvAbr	Avonburg silt loam, 0 to 2 percent slope	NaaB2	Nabb silt loam, 2 to 6 percent slopes, eroded
AvB2	Avonburg silt loam, 2 to 4 percent slopes, eroded	NaaB2	Nabb silt loam, 2 to 6 percent slopes, eroded
NaaB2	Nabb silt loam, 2 to 6 percent slopes, eroded	NaaB2	Nabb silt loam, 2 to 6 percent slopes, eroded
RoB2	Rossmoyne silt loam, 2 to 6 percent slopes, eroded	NaaB2	Nabb silt loam, 2 to 6 percent slopes, eroded
RsB2	Rossmoyne silt loam, 2 to 6 percent slopes, eroded	NaaB2	Nabb silt loam, 2 to 6 percent slopes, eroded
NnA	Nineveh gravelly loam, 0 to 2 percent slopes	NpcA	Nineveh gravelly sandy loam, 0 to 2 percent slopes
NpcA	Nineveh gravelly sandy loam, 0 to 2 percent	NpcA	Nineveh gravelly sandy loam, 0 to 2 percent

	slopes		slopes
La	Landes gravelly sandy loam, gravelly substratum	NpcAQ	Nineveh gravelly sandy loam, 0 to 2 percent slopes, rarely flooded
NpcAQ	Nineveh gravelly sandy loam, 0 to 2 percent slopes, rarely flooded	NpcAQ	Nineveh gravelly sandy loam, 0 to 2 percent slopes, rarely flooded
NgA	Nineveh loam, 0 to 2 percent slopes	NpeA	Nineveh sandy loam, 0 to 2 percent slopes
NpeA	Nineveh sandy loam, 0 to 2 percent slopes	NpeA	Nineveh sandy loam, 0 to 2 percent slopes
NgA	Nineveh loam, 0 to 2 percent slopes	NpeAQ	Nineveh sandy loam, 0 to 2 percent slopes, rarely flooded
NpeAQ	Nineveh sandy loam, 0 to 2 percent slopes, rarely flooded	NpeAQ	Nineveh sandy loam, 0 to 2 percent slopes, rarely flooded
NgB2	Nineveh loam, 2 to 6 percent slopes, eroded	NpeB2	Nineveh sandy loam, 2 to 6 percent slopes, eroded
NpeB2	Nineveh sandy loam, 2 to 6 percent slopes, eroded	NpeB2	Nineveh sandy loam, 2 to 6 percent slopes, eroded
OcA	Ockley loam, 0 to 2 percent slopes	ObaA	Ockley loam, 0 to 2 percent slopes
Ee	Eel silt loam	OfaAW	Oldenburg silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
OfaAW	Oldenburg silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	OfaAW	Oldenburg silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
Omz	Orthents, earthen dam	Omz	Orthents, earthen dam
Uaa	Udorthents, cut and filled	Omz	Orthents, earthen dam
Uby	Udorthents, loamy	Omz	Orthents, earthen dam
11B	Haubstadt silt loam, 2 to 6 percent slopes	PcrB2	Pekin silt loam, 2 to 6 percent slopes, eroded
14B	Haubstadt silt loam, 2 to 6 percent slopes	PcrB2	Pekin silt loam, 2 to 6 percent slopes, eroded
HccB2	Haubstadt silt loam, 2 to 6 percent slopes, eroded	PcrB2	Pekin silt loam, 2 to 6 percent slopes, eroded
OtB2	Otwell silt loam, 2 to 6 percent slopes, eroded	PcrB2	Pekin silt loam, 2 to 6 percent slopes, eroded
PcrB2	Pekin silt loam, 2 to 6 percent slopes, eroded	PcrB2	Pekin silt loam, 2 to 6 percent slopes, eroded
OmkC2	Otwell silt loam, 6 to 12 percent slopes, eroded	PcrC2	Pekin silt loam, 6 to 12 percent slopes, eroded
OtC2	Otwell silt loam, 6 to 12 percent slopes, eroded	PcrC2	Pekin silt loam, 6 to 12 percent slopes, eroded
PeC2	Pekin silt loam, 6 to 12 percent slopes, eroded	PcrC2	Pekin silt loam, 6 to 12 percent slopes, eroded
OmkC3	Otwell silt loam, 6 to 12 percent slopes, severely eroded	PcrC3	Pekin silt loam, 6 to 12 percent slopes, severely eroded
OtC3	Otwell silt loam, 6 to 12 percent slopes, severely eroded	PcrC3	Pekin silt loam, 6 to 12 percent slopes, severely eroded
PcrC3	Pekin silt loam, 6 to 12 percent slopes, severely eroded	PcrC3	Pekin silt loam, 6 to 12 percent slopes, severely eroded
Babr	Bartle silt loam, 0 to 3 percent slopes	PhaA	Peoga silt loam, 0 to 1 percent slopes

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
Pe	Peoga silt loam	PhaA	Peoga silt loam, 0 to 1 percent slopes
PhaA	Peoga silt loam, 0 to 1 percent slopes	PhaA	Peoga silt loam, 0 to 1 percent slopes
5	Piopolis silty clay loam, 0 to 1 percent slope, frequently flooded, brief duration	PlpAV	Piopolis silty clay loam, 0 to 1 percent slopes, frequently flooded, very brief duration
Bo	Bonnie silt loam	PlpAV	Piopolis silty clay loam, 0 to 1 percent slopes, frequently flooded, very brief duration
PlpAV	Piopolis silty clay loam, 0 to 1 percent slopes, frequently flooded, very brief duration	PlpAV	Piopolis silty clay loam, 0 to 1 percent slopes, frequently flooded, very brief duration
Pml	Quarries	Pml	Pits, quarry
Pml	Pits, quarry	Pml	Pits, quarry

CdD2	Chetwynd loam, 12 to 20 percent slopes, eroded	PnnD	Pike-Chetwynd silt loams, 12 to 20 percent slopes
PnnD	Pike-Chetwynd silt loams, 12 to 20 percent slopes	PnnD	Pike-Chetwynd silt loams, 12 to 20 percent slopes
CdF	Chetwynd loam, 20 to 50 percent slopes	PnnF	Pike-Chetwynd silt loams, 20 to 50 percent slopes
PnnF	Pike-Chetwynd silt loams, 20 to 50 percent slopes	PnnF	Pike-Chetwynd silt loams, 20 to 50 percent slopes
Pmg	Gravel pits	Ppu	Pits, sand and gravel
Ppu	Pits, sand and gravel	Ppu	Pits, sand and gravel
15D3	Coolville silty clay loam, 12 to 18 percent slopes, severely eroded	RctD3	Rarden-Coolville complex, 12 to 22 percent slopes, severely eroded
Gu	Gullied land	RctD3	Rarden-Coolville complex, 12 to 22 percent slopes, severely eroded
RblD3	Rarden silty clay loam, 12 to 18 percent slopes, severely eroded	RctD3	Rarden-Coolville complex, 12 to 22 percent slopes, severely eroded
RctD3	Rarden-Coolville complex, 12 to 22 percent slopes, severely eroded	RctD3	Rarden-Coolville complex, 12 to 22 percent slopes, severely eroded
ReD3	Rarden silty clay loam, 12 to 18 percent slopes, severely eroded	RctD3	Rarden-Coolville complex, 12 to 22 percent slopes, severely eroded
Ubx	Udorthents, gullied	RctD3	Rarden-Coolville complex, 12 to 22 percent slopes, severely eroded
CwB	Crosby silt loam, 1 to 5 percent slopes	RehA	Rensselaer-Treaty silt loams, 0 to 1 percent slopes
Re	Rensselaer-Whitaker complex	RehA	Rensselaer-Treaty silt loams, 0 to 1 percent slopes
RehA	Rensselaer-Treaty silt loams, 0 to 1 percent slopes	RehA	Rensselaer-Treaty silt loams, 0 to 1 percent slopes
Re	Rensselaer-Whitaker complex	ReyA	Rensselaer loam, 0 to 1 percent slopes
ReyA	Rensselaer loam, 0 to 1 percent slopes	ReyA	Rensselaer loam, 0 to 1 percent slopes
Rf	Rensselaer loam	ReyA	Rensselaer loam, 0 to 1 percent slopes
Rg	Rensselaer clay loam	ReyA	Rensselaer loam, 0 to 1 percent slopes
ReyAQ	Rensselaer loam, 0 to 1 percent slopes, rarely flooded	ReyAQ	Rensselaer loam, 0 to 1 percent slopes, rarely flooded
Rf	Rensselaer loam	ReyAQ	Rensselaer loam, 0 to 1 percent slopes, rarely flooded
Rg	Rensselaer clay loam	ReyAQ	Rensselaer loam, 0 to 1 percent slopes, rarely flooded
RnF	Rodman gravelly loam, 25 to 45 percent slopes	RqaG	Rodman sandy loam, 25 to 50 percent slopes
RqaG	Rodman sandy loam, 25 to 50 percent slopes	RqaG	Rodman sandy loam, 25 to 50 percent slopes
Ro	Ross silt loam	RtxAH	Rossburg silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
Rp	Ross silty clay loam	RtxAH	Rossburg silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
RtxAH	Rossburg silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	RtxAH	Rossburg silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
Ro	Ross silt loam	RtxAK	Rossburg silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
RtxAK	Rossburg silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration	RtxAK	Rossburg silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration
RuB2	Russell silt loam, 2 to 6 percent slopes, eroded	RywB2	Russell silt loam, 2 to 6 percent slopes, eroded
Mc	McGary silt loam	SfyA	Shircliff silt loam, 0 to 2 percent slopes
SfyA	Shircliff silt loam, 0 to 2 percent slopes	SfyA	Shircliff silt loam, 0 to 2 percent slopes
HeF	Hennepin loam, 18 to 40 percent slopes	SifE	Senachwine loam, 18 to 25 percent slopes
SifE	Senachwine loam, 18 to 25 percent slopes	SifE	Senachwine loam, 18 to 25 percent slopes

HeF	Hennepin loam, 18 to 40 percent slopes	SifG	Senachwine loam, 25 to 70 percent slopes
MnC2	Miami loam, 6 to 15 percent slopes, eroded	SifG	Senachwine loam, 25 to 70 percent slopes
SifG	Senachwine loam, 25 to 70 percent slopes	SifG	Senachwine loam, 25 to 70 percent slopes
SvqG	Strawn loam, 25 to 70 percent slopes	SifG	Senachwine loam, 25 to 70 percent slopes
Sh	Shoals silt loam	SldAH	Shoals silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
SqmAH	Shoals silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	SldAH	Shoals silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
Sh	Shoals silt loam	SldAW	Shoals silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
SldAW	Shoals silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	SldAW	Shoals silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
Sm	Sleeth loam	SnfA	Sleeth loam, 0 to 2 percent slopes
SnfA	Sleeth loam, 0 to 2 percent slopes	SnfA	Sleeth loam, 0 to 2 percent slopes
CnC2br	Cincinnati silt loam, 6 to 12 percent slopes, eroded	SoaB	Spickert silt loam, 2 to 6 percent slopes
SoaB	Spickert silt loam, 2 to 6 percent slopes	SoaB	Spickert silt loam, 2 to 6 percent slopes
SoaB2	Spickert silt loam, 2 to 6 percent slopes, eroded	SoaB	Spickert silt loam, 2 to 6 percent slopes
ZaB2	Zanesville silt loam, 2 to 6 percent slopes, eroded	SoaB	Spickert silt loam, 2 to 6 percent slopes
Sa	Saranac silt loam, overwash	SocAH	Sloan silty clay loam, 0 to 1 percent slopes, frequently flooded, brief duration
Sc	Saranac silty clay loam	SocAH	Sloan silty clay loam, 0 to 1 percent slopes, frequently flooded, brief duration
SocAH	Sloan silty clay loam, 0 to 1 percent slopes, frequently flooded, brief duration	SocAH	Sloan silty clay loam, 0 to 1 percent slopes, frequently flooded, brief duration
Wc	Westland clay loam	SocAH	Sloan silty clay loam, 0 to 1 percent slopes, frequently flooded, brief duration
Sc	Saranac silty clay loam	SocAW	Sloan silty clay loam, 0 to 1 percent slopes, occasionally flooded, very brief duration
SocAW	Sloan silty clay loam, 0 to 1 percent slopes, occasionally flooded, very brief duration	SocAW	Sloan silty clay loam, 0 to 1 percent slopes, occasionally flooded, very brief duration
Wc	Westland clay loam	SocAW	Sloan silty clay loam, 0 to 1 percent slopes, occasionally flooded, very brief duration
HkD2br	Hickory silt loam, 12 to 20 percent slope, eroded	SoeC2	Spickert-Wrays silt loams, 6 to 18 percent slopes, eroded
SoeC2	Spickert-Wrays silt loams, 6 to 18 percent slopes, eroded	SoeC2	Spickert-Wrays silt loams, 6 to 18 percent slopes, eroded
WaD	Wellston-Berks-Trevlac complex, 6 to 20 percent slopes	SoeC2	Spickert-Wrays silt loams, 6 to 18 percent slopes, eroded
WeC2	Wellston-Gilpin silt loams, 6 to 20 percent slopes, eroded	SoeC2	Spickert-Wrays silt loams, 6 to 18 percent slopes, eroded
SoaC2	Spickert silt loam, 6 to 12 percent slopes, eroded	SolC2	Spickert-Wrays silt loams, 6 to 12 percent slopes, eroded
SolC2	Spickert-Wrays silt loams, 6 to 12 percent slopes, eroded	SolC2	Spickert-Wrays silt loams, 6 to 12 percent slopes, eroded
ZaC2	Zanesville silt loam, 6 to 12 percent slopes, eroded	SolC2	Spickert-Wrays silt loams, 6 to 12 percent slopes, eroded
ZaC3	Zanesville silt loam, 6 to 12 percent slopes, severely eroded	SolC2	Spickert-Wrays silt loams, 6 to 12 percent slopes, eroded

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
Gu	Gullied land	SolC3	Spickert-Wrays silt loams, 6 to 12 percent slopes, severely eroded
SoaC3	Spickert silt loam, 6 to 12 percent slopes, severely eroded	SolC3	Spickert-Wrays silt loams, 6 to 12 percent slopes, severely eroded
SolC3	Spickert-Wrays silt loams, 6 to 12 percent slopes, severely eroded	SolC3	Spickert-Wrays silt loams, 6 to 12 percent slopes, severely eroded

ZaC2	Zanesville silt loam, 6 to 12 percent slopes, eroded	SolC3	Spickert-Wrays silt loams, 6 to 12 percent slopes, severely eroded
ZaC3	Zanesville silt loam, 6 to 12 percent slopes, severely eroded	SolC3	Spickert-Wrays silt loams, 6 to 12 percent slopes, severely eroded
St	Steff silt loam	StaAV	Steff silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration
StaAH	Steff silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	StaAV	Steff silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration
StaAV	Steff silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration	StaAV	Steff silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration
Ba	Bartle silt loam	StdAQ	Stendal silt loam, 0 to 2 percent slopes, rarely flooded
StdAQ	Stendal silt loam, 0 to 2 percent slopes, rarely flooded	StdAQ	Stendal silt loam, 0 to 2 percent slopes, rarely flooded
StdAH	Stendal silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	StdAV	Stendal silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration
StdAV	Stendal silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration	StdAV	Stendal silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration
Sx	Stendal silt loam	StdAV	Stendal silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration
CnB2	Cincinnati silt loam, 2 to 6 percent slopes, eroded	StmB	Stonehead silt loam, 2 to 6 percent slopes
StmB	Stonehead silt loam, 2 to 6 percent slopes	StmB	Stonehead silt loam, 2 to 6 percent slopes
TlB	Tilsit silt loam, 2 to 6 percent slopes	StmB	Stonehead silt loam, 2 to 6 percent slopes
ZaB2	Zanesville silt loam, 2 to 6 percent slopes, eroded	StmB	Stonehead silt loam, 2 to 6 percent slopes
RaC2	Rarden silt loam, 6 to 12 percent slopes, eroded	SucC2	Stonehead-Coolville silt loams, 6 to 12 percent slopes, eroded
RcsC2	Rarden silt loam, 6 to 12 percent slopes, eroded	SucC2	Stonehead-Coolville silt loams, 6 to 12 percent slopes, eroded
SucC2	Stonehead-Coolville silt loams, 6 to 12 percent slopes, eroded	SucC2	Stonehead-Coolville silt loams, 6 to 12 percent slopes, eroded
SwC2	Stonehead silt loam, 6 to 10 percent slopes, eroded	SucC2	Stonehead-Coolville silt loams, 6 to 12 percent slopes, eroded
SwD3	Stonehead silt loam, 10 to 20 percent slopes, gullied	SujD5	Stonehead silt loam, 10 to 20 percent slopes, gullied
SulC2	Stonehead-Wellrock silt loams, 6 to 15 percent slopes, eroded	SulC2	Stonehead-Wellrock silt loams, 6 to 15 percent slopes, eroded
WeC2	Wellston-Gilpin silt loams, 6 to 20 percent slopes, eroded	SulC2	Stonehead-Wellrock silt loams, 6 to 15 percent slopes, eroded
Rh	Riverwash	SuoAH	Stonelick fine sandy loam, 0 to 2 percent slopes, frequently flooded, brief duration
SuoAH	Stonelick fine sandy loam, 0 to 2 percent slopes, frequently flooded, brief duration	SuoAH	Stonelick fine sandy loam, 0 to 2 percent slopes, frequently flooded, brief duration
SutAH	Stonelick loam, 0 to 2 percent slopes, frequently flooded, brief duration	SuoAH	Stonelick fine sandy loam, 0 to 2 percent slopes, frequently flooded, brief duration
Sy	Stonelick loam, gravelly substratum, frequently flooded	SuoAH	Stonelick fine sandy loam, 0 to 2 percent slopes, frequently flooded, brief duration
Sz	Stonelick sandy loam	SuoAH	Stonelick fine sandy loam, 0 to 2 percent slopes, frequently flooded, brief duration
Pmg	Gravel pits	Uaz	Udorthents, sandy
Uaz	Udorthents, sandy	Uaz	Udorthents, sandy
Bp	Borrow pits	Uby	Udorthents, loamy
Uaa	Udorthents, cut and filled	Uby	Udorthents, loamy
Ud	Udorthents, loamy	Uby	Udorthents, loamy

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
PrB	Princeton fine sandy loam, 2 to 6 percent slopes	UemB	Urban land-Alvin-Princeton complex, 2 to 6 percent slopes

UemB	Urban land-Alvin-Princeton complex, 2 to 6 percent slopes	UemB	Urban land-Alvin-Princeton complex, 2 to 6 percent slopes
PrC2	Princeton fine sandy loam, 6 to 12 percent slopes, eroded	UemC	Urban land-Alvin-Princeton complex, 6 to 12 percent slopes
UemC	Urban land-Alvin-Princeton complex, 6 to 12 percent slopes	UemC	Urban land-Alvin-Princeton complex, 6 to 12 percent slopes
FoA	Fox loam, 0 to 2 percent slopes	UenA	Urban land-Fox complex, 0 to 2 percent slopes
UenA	Urban land-Fox complex, 0 to 2 percent slopes	UenA	Urban land-Fox complex, 0 to 2 percent slopes
FoB2	Fox loam, 2 to 6 percent slopes, eroded	UenB	Urban land-Fox complex, 2 to 6 percent slopes
UenB	Urban land-Fox complex, 2 to 6 percent slopes	UenB	Urban land-Fox complex, 2 to 6 percent slopes
FxC3	Fox complex, 6 to 12 percent slopes, severely eroded	UepC	Urban land-Fox-Casco complex, 6 to 12 percent slopes
UepC	Urban land-Fox-Casco complex, 6 to 12 percent slopes	UepC	Urban land-Fox-Casco complex, 6 to 12 percent slopes
AvB2	Avonburg silt loam, 2 to 4 percent slopes, eroded	UfcB	Urban land-Cincinnati-Nabb complex, 2 to 12 percent slopes
CnB2	Cincinnati silt loam, 2 to 6 percent slopes, eroded	UfcB	Urban land-Cincinnati-Nabb complex, 2 to 12 percent slopes
CnC2	Cincinnati silt loam, 6 to 12 percent slopes, eroded	UfcB	Urban land-Cincinnati-Nabb complex, 2 to 12 percent slopes
CnC3	Cincinnati silt loam, 6 to 12 percent slopes, severely eroded	UfcB	Urban land-Cincinnati-Nabb complex, 2 to 12 percent slopes
HkC2	Hickory silt loam, 6 to 12 percent slopes, eroded	UfcB	Urban land-Cincinnati-Nabb complex, 2 to 12 percent slopes
HoC3	Hickory silty clay loam, 6 to 12 percent slopes, severely eroded	UfcB	Urban land-Cincinnati-Nabb complex, 2 to 12 percent slopes
RsB2	Rossmoyne silt loam, 2 to 6 percent slopes, eroded	UfcB	Urban land-Cincinnati-Nabb complex, 2 to 12 percent slopes
UfcB	Urban land-Cincinnati-Nabb complex, 2 to 12 percent slopes	UfcB	Urban land-Cincinnati-Nabb complex, 2 to 12 percent slopes
AvA	Avonburg silt loam, 0 to 2 percent slopes	UfdA	Urban land-Cobbsfork-Avonburg complex, 0 to 2 percent slopes
Cr	Clermont silt loam	UfdA	Urban land-Cobbsfork-Avonburg complex, 0 to 2 percent slopes
UfdA	Urban land-Cobbsfork-Avonburg complex, 0 to 2 percent slopes	UfdA	Urban land-Cobbsfork-Avonburg complex, 0 to 2 percent slopes
CzA	Crosby silt loam, 0 to 2 percent slopes	UfnA	Urban land-Crosby complex, 0 to 2 percent slopes
UfnA	Urban land-Crosby complex, 0 to 2 percent slopes	UfnA	Urban land-Crosby complex, 0 to 2 percent slopes
Br	Brookston silty clay loam	UfoA	Urban land-Cyclone complex, 0 to 1 percent slopes
UfoA	Urban land-Cyclone complex, 0 to 1 percent slopes	UfoA	Urban land-Cyclone complex, 0 to 1 percent slopes
FcA	Fincastle silt loam, 0 to 2 percent slopes	UfxA	Urban land-Fincastle complex, 0 to 2 percent slopes
UfxA	Urban land-Fincastle complex, 0 to 2 percent slopes	UfxA	Urban land-Fincastle complex, 0 to 2 percent slopes
FcB2	Fincastle silt loam, 2 to 4 percent slopes, eroded	UfyB	Urban land-Fincastle-Russell complex, 2 to 6 percent slopes
RuB2	Russell silt loam, 2 to 6 percent slopes, eroded	UfyB	Urban land-Fincastle-Russell complex, 2 to 6 percent slopes
UfyB	Urban land-Fincastle-Russell complex, 2 to 6 percent slopes	UfyB	Urban land-Fincastle-Russell complex, 2 to 6 percent slopes
MbA	Martinsville loam, 0 to 2 percent slopes	UhyA	Urban land-Martinsville, sandy substratum, complex, 0 to 2 percent slopes
UhyA	Urban land-Martinsville, sandy substratum, complex, 0 to 2 percent slopes	UhyA	Urban land-Martinsville, sandy substratum, complex, 0 to 2 percent slopes
MmC2	Miami silt loam, 6 to 12 percent slopes, eroded	UkbC	Urban land-Miami complex, 6 to 12 percent slopes

Field symbols	Field map unit name	Publication symbol	Approved map unit name
UkbC	Urban land-Miami complex, 6 to 12 percent slopes	UkbC	Urban land-Miami complex, 6 to 12 percent slopes
OcA	Ockley loam, 0 to 2 percent slopes	UkpA	Urban land-Ockley complex, 0 to 2 percent slopes
UkpA	Urban land-Ockley complex, 0 to 2 percent slopes	UkpA	Urban land-Ockley complex, 0 to 2 percent slopes
NgA	Nineveh loam, 0 to 2 percent slopes	UkqA	Urban land-Nineveh complex, 0 to 2 percent slopes
UkqA	Urban land-Nineveh complex, 0 to 2 percent slopes	UkqA	Urban land-Nineveh complex, 0 to 2 percent slopes
NgB2	Nineveh loam, 2 to 6 percent slopes, eroded	UkqB	Urban land-Nineveh complex, 2 to 6 percent slopes
UkqB	Urban land-Nineveh complex, 2 to 6 percent slopes	UkqB	Urban land-Nineveh complex, 2 to 6 percent slopes
Sm	Sleeth loam	UmqA	Urban land-Sleeth complex, 0 to 2 percent slopes
UmqA	Urban land-Sleeth complex, 0 to 2 percent slopes	UmqA	Urban land-Sleeth complex, 0 to 2 percent slopes
UnnA	Urban land-Westland complex, 0 to 1 percent slopes	UnnA	Urban land-Westland complex, 0 to 1 percent slopes
Wc	Westland clay loam	UnnA	Urban land-Westland complex, 0 to 1 percent slopes
Usl	Udorthents, rubbish	Usl	Udorthents, rubbish
W	Water	W	Water
Sx	Stendal silt loam	WaaAV	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration
Wa	Wakeland silt loam	WaaAV	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration
WaaAH	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	WaaAV	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration
WaaAV	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration	WaaAV	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration
Sx	Stendal silt loam	WaaAW	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
Wa	Wakeland silt loam	WaaAW	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
WaaAW	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	WaaAW	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
Stbr	Stendal silt loam, frequently flooded	WacAW	Wakeland-Birds silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration
WacAW	Wakeland-Birds silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration	WacAW	Wakeland-Birds silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration
Sf	Steff silt loam, frequently flooded	WbiAW	Wilbur-Wakeland silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration
WbiAW	Wilbur-Wakeland silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration	WbiAW	Wilbur-Wakeland silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration
Wt	Wilbur silt loam, frequently flooded	WbiAW	Wilbur-Wakeland silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration
MnC2	Miami loam, 6 to 15 percent slopes, eroded	WdlC2	Wawaka loam, 6 to 12 percent slopes, eroded
WdlC2	Wawaka loam, 6 to 12 percent slopes, eroded	WdlC2	Wawaka loam, 6 to 12 percent slopes, eroded
CwB	Crosby silt loam, 1 to 5 percent slopes	WdrB2	Wawaka silt loam, 2 to 6 percent slopes, eroded
WdrB2	Wawaka silt loam, 2 to 6 percent slopes, eroded	WdrB2	Wawaka silt loam, 2 to 6 percent slopes, eroded
WokAH	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	WokAW	Wilbur silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration

WokAW	Wilbur silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	WokAW	Wilbur silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration

Field symbols	Field map unit name	Publication symbol	Approved map unit name
Wu	Wilbur silt loam	WokAW	Wilbur silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
WolAV	Wilhite silty clay, 0 to 1 percent slopes, frequently flooded, very brief duration	WolAV	Wilhite silty clay, 0 to 1 percent slopes, frequently flooded, very brief duration
Zp	Zipp silty clay loam	WolAV	Wilhite silty clay, 0 to 1 percent slopes, frequently flooded, very brief duration
Ge	Genesee loam	WprAV	Wirt loam, 0 to 2 percent slopes, frequently flooded, very brief duration
WprAV	Wirt loam, 0 to 2 percent slopes, frequently flooded, very brief duration	WprAV	Wirt loam, 0 to 2 percent slopes, frequently flooded, very brief duration
Ge	Genesee loam	WprAW	Wirt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
WprAW	Wirt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	WprAW	Wirt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
Wc	Westland clay loam	WqlA	Westland clay loam, 0 to 1 percent slopes
WqlA	Westland clay loam, 0 to 1 percent slopes	WqlA	Westland clay loam, 0 to 1 percent slopes
Wc	Westland clay loam	WqlAQ	Westland clay loam, 0 to 1 percent slopes, rarely flooded
WqlAQ	Westland clay loam, 0 to 1 percent slopes, rarely flooded	WqlAQ	Westland clay loam, 0 to 1 percent slopes, rarely flooded
Re	Rensselaer-Whitaker complex	WsuA	Whitaker loam, 0 to 2 percent slopes
Wh	Whitaker loam	WsuA	Whitaker loam, 0 to 2 percent slopes
WstA	Whitaker loam, 0 to 2 percent slopes	WsuA	Whitaker loam, 0 to 2 percent slopes
Wh	Whitaker loam	WsyAQ	Whitaker sandy loam, 0 to 2 percent slopes, rarely flooded
WsyAQ	Whitaker sandy loam, 0 to 2 percent slopes, rarely flooded	WsyAQ	Whitaker sandy loam, 0 to 2 percent slopes, rarely flooded
CeB2	Celina silt loam, 2 to 6 percent slopes, eroded	WufB2	Williamstown silt loam, 2 to 6 percent slopes, eroded
WufB2	Williamstown silt loam, 2 to 6 percent slopes, eroded	WufB2	Williamstown silt loam, 2 to 6 percent slopes, eroded
XeB2	Xenia silt loam, 2 to 6 percent slopes, eroded	XabB2	Xenia silt loam, 2 to 6 percent slopes, eroded
CwB	Crosby silt loam, 1 to 5 percent slopes	XfuB2	Miami-Rainsville silt loams, 2 to 6 percent slopes, eroded
MaB	Martinsville loam, 1 to 6 percent slopes	XfuB2	Miami-Rainsville silt loams, 2 to 6 percent slopes, eroded
XfuB2	Miami-Rainsville silt loams, 2 to 6 percent slopes, eroded	XfuB2	Miami-Rainsville silt loams, 2 to 6 percent slopes, eroded
MnC2	Miami loam, 6 to 15 percent slopes, eroded	XrbC2	Miami-Rainsville loams, 6 to 12 percent slopes, eroded
XrbC2	Miami-Rainsville loams, 6 to 12 percent slopes, eroded	XrbC2	Miami-Rainsville loams, 6 to 12 percent slopes, eroded
MnC2	Miami loam, 6 to 15 percent slopes, eroded	XrkD2	Miami-Kendallville loams, 12 to 18 percent slopes, eroded
XrkD2	Miami-Kendallville loams, 12 to 18 percent slopes,	XrkD2	Miami-Kendallville loams, 12 to 18 percent slopes, eroded
Babr	Bartle silt loam, 0 to 3 percent slopes	ZboA	Zipp silty clay loam, 0 to 1 percent slopes
Re	Rensselaer-Whitaker complex	ZboA	Zipp silty clay loam, 0 to 1 percent slopes
ZboA	Zipp silty clay loam, 0 to 1 percent slopes	ZboA	Zipp silty clay loam, 0 to 1 percent slopes
Zp	Zipp silty clay loam	ZboA	Zipp silty clay loam, 0 to 1 percent slopes

1/ Field symbols that end with the letters br indicate that the map unit is originally from the 1990 published Soil Survey of Brown County and Part of Bartholomew County, Indiana. These symbols were used for correlation purposes only and do not occur on any field sheets. The symbols used on the field sheets do not have the letters br.
Series established by this correlation: Cliftycreek

Series dropped from the 1976 soil survey report: Berks, Brookston, Burnside, Camden, Celina, Clermont, Corydon, Dubois, Gilpin, Hennepin, Henshaw, Landes, Otwell, Rockcastle, Ross, Rossmoyne, Saranac, Weikert, and Zanesville.

Series dropped from the 1990 soil survey report (Camp Atterbury area): Berks, Chagrin, Gilpin, Rossmoyne, Steff, Stendal, Tilsit, Trevlac, and Wellston.

Series added to the 1976 soil survey report: Alvin, Beanblossom, Bellcreek, Birds, Blocher, Bonnell, Brownstown, Casco, Chetwynd, Cobbsfork, Cohoctah, Coolville, Cyclone, Deam, Elkinsville, Gilwood, Gnawbone, Holton, Kendallville, Kurtz, Lauer, Medora, Nabb, Oldenburg, Pekin, Pike, Piopolis, Rainsville, Rossburg, Senachwine, Shircliff, Sloan, Spickert, Stonehead, Treaty, Wawaka, Wellrock, Wilhite, Williamstown, Wirt, and Wrays.

Series added to the 1990 soil survey report (Camp Atterbury area): Bellcreek, Birds, Blocher, Brownstown, Cohoctah, Deam, Eel, Fox, Genesee, Gilwood, Gnawbone, Kendallville, Kurtz, Lauer, Medora, Medway, Nabb, Nineveh, Ockley, Pike, Rainsville, Rossburg, Senachwine, Shoals, Sleeth, Spickert, Treaty, Wakeland, Wawaka, Wellrock, Westland, Williamstown, Wirt, Wrays, Xenia, and Zipp.

Series Made Inactive: None

Verification of exact cooperator names: For the front cover and half-title page:
United States Department of Agriculture,
Natural Resources Conservation Service
in Cooperation with Purdue University Agricultural Experiment Station and
the Indiana Department of Natural Resources, State Soil Conservation Board and Division of Soil Conservation.

The cooperators to be listed on the inside of the front cover are the same as those on the front cover, and in addition state: "This soil survey update is part of the technical assistance provided to Bartholomew County Soil and Water Conservation District. Financial assistance was made available by the Bartholomew County Soil and Water Conservation District, Bartholomew County Board of Commissioners, and Indiana Army National Guard Atterbury Training Site."

Prior soil survey publications: The last soil survey of Bartholomew County was completed in 1971 and was published by the United States Department of Agriculture, Natural Resources Conservation Service in 1976. This soil survey did not include mapping of the Camp Atterbury Military Reservation. The soil survey of Camp Atterbury was completed in 1984 and was published in the 1990 Soil Survey of Brown County and Part of Bartholomew County, Indiana. Reference to the prior soil surveys will be included in the literature citation of the manuscript. This survey replaces the 1976 and 1990 soil surveys and provides additional data, updated soil interpretations, and digital soil maps at a 1:12,000 scale on an orthophoto base.

Join Statement: Bartholomew County, which was published in 1976, joins six modern soil surveys. These are Brown, Johnson, Shelby, Decatur, Jennings, and Jackson Counties in Indiana. Brown County to the west was published in 1990. Johnson County to the northwest was published in 1979. Shelby County to the northeast was published in 1974. Decatur County to the east was published in 1983. Jennings County to the southeast was published in 1976. Jackson County to the southwest was published in 1990. An exact join will be completed when these counties are updated to the MLRA legend.

Disposition of field sheets: The original soil maps used for the 1976 Soil Survey Report were ratioed and then converted from the scale of 1:15,840 to 1:12,000. These maps were then compiled onto mylars which were orthophoto quarter quads at a scale of 1:12,000. Geographic area to the county boundaries was compiled, i.e. compilation was to the county line resulting in partial compilation of quarter quads along county boundaries. The compiled maps will be delivered to the Indianapolis Digitizing Center. Copies of a computer tape of the final product will remain at the state office, be certified for SSURGO at NCGC, and be provided to the Bartholomew County Board as part of the cost share cooperative agreement.

Instructions for map compilation and map finishing: Map recompilation was completed by the Indianapolis Soil Survey Project Office and the Hoosier Hills Soil Survey Project Office staffs in November 2001. Soils, water, and cultural features will be compiled onto the orthoquarter quads. Symbols for map finishing will be those approved for SSURGO standards and as shown in this document. The NAP photos and supporting documentation were delivered to the Indianapolis Digitizing Center on August 1, 2001. The Indianapolis Digitizing Center will complete a final check before delivering the product to NCGC for SSURGO certification.

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND
BARTHOLOMEW COUNTY, INDIANA

Conventional and special symbols legend: only those symbols indicated on the attached NRCS-SOILS-37A will be shown on the legend and placed on the maps.

LABELNAMEDESCRIPITION
DEPDepression, closedA shallow, saucer-shaped area that is slightly lower on the landscape than the surrounding area and is without a natural outlet for surface drainage. Typically 0.2 to 2 acres.
EROSeverely eroded spotAn area where on the average 75 percent or more of the original surface layer has been lost from accelerated erosion. Typically less than 2 acres.
ESBEscarpment,
BedrockA relatively continuous and steep slope or cliff produced by erosion or faulting breaking the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.
ESOEscarpment,
OtherA relatively continuous and steep slope or cliff generally produced by erosion, but can be produced by faulting breaking the continuity of more gently sloping land surfaces. Exposed nonbedrock material is nonsoil or very shallow, poorly developed soils.
GPIGravel pitAn open excavation from which soil and underlying material have been removed, and used without crushing, as a source of sand and gravel. Typically 0.5 to 2 acres.
GULGullyA small channel with steep sides cut by running water through which water ordinarily runs only after a rain, or after ice or snow melts. It generally is an obstacle to wheeled vehicles and is too deep to be obliterated by ordinary tillage.
LVSLeveeAn embankment that confines or controls water, especially one built along the bank of a river to prevent overflow of lowlands.
MPIMine or quarryAn open excavation from which soil and underlying material is removed exposing the bedrock. Also used to denote surface openings to underground mines. Typically 0.5 to 2 acres.
MUCMuckAn area with a poorly drained or very poorly drained soil that has a proportional amount of organic carbon, between 12 and 18 percent. The spot symbol will be used only in a map unit consisting of a mineral soil. Typically 0.2 to 2 acres.
ROCRock outcropAn exposure of bedrock at the surface of the earth. Not used where the named soils of the surrounding map unit are shallow over bedrock. Typically less than 2 acres.
SLPShort, steep slopeNarrow soil area that has slopes that are at least two slope classes steeper than the slope class of the surrounding map unit. Typically 0.2 to 2 acres.
SNKSinkholeA closed depression formed either by solution of the surficial rock or by collapse of underlying caves. Typically 0.2 to 2 acres.
UWTUnclassified waterSmall, natural or man-made lake, pond, or pit, that contains water, of an unspecified nature, most of the year. Typically 0.2 to 2 acres.
WDPWet depressionsA shallow, concave area within poorly or very poorly drained soils that ponds water for intermittent periods and is saturated for appreciably longer periods of time than the surrounding soil. Typically 0.2 to 2 acres.
WETWet spotSomewhat poorly drained to very poorly drained area that is at least 2 drainage classes wetter than the named soils in the surrounding map unit. Typically less than 2 acres.

DEFINITIONS AND GUIDELINES
FOR USE OF CONVENTIONAL AND SPECIAL SYMBOLS

FOR
BARTHOLOMEW COUNTY, INDIANA
A SUBSET OF MLRAs 111, 114, and 120
Scale - 1:12,000

DESCRIPTIONLABELDEFINITIONS AND GUIDELINES
CULTURAL FEATURES
Land divisionSection corners are shown, and section numbers are placed
corners (section)as close to the center of the section as possible.

Interstate, Federal, Use appropriate symbols for federal and state roads.
and StateOther roads will not be labeled.

HYDROGRAPHIC FEATURES
Unclassified streamsUCDRStreams are not distinguished as either perennial
or intermittent. They are greater than 0.5 inch in length
and less than 100 feet in width on the landscape or
less than 0.10 inch on the atlas sheet.

Drainage endDENDShows the point where concentrated water flow stops and
there is no channel within 250 feet or more on the landscape
or 0.25 inch or more on the atlas sheet.

Soil Mapunit Symbol Conversion Legend
Bartholomew County, Indiana: Detailed Soil Map Legend

Field symbols	Publication symbol
2	HcgAW
5	PlpAV
10A	BbhA
11B	PcrB2
12A	AddA
12B	NaaB2
13C	BlgC2
13C3	BlgC3
14A	BbhA
14B	PcrB2
15D3	RctD3
AddA	AddA
AddB2	AddB2
AfsB	AfsB
AfsC2	AfsC2
AmkA	AmkA
AvA	AddA
AvA	UfdA
AvAbr	NaaB2
AvB2	AddB2
AvB2	NaaB2
AvB2	UfcB
Ay	AmkA
Ba	BbhA
Ba	StdAQ
Babr	BbhA
Babr	LeaA
Babr	PhaA

Field symbols	Publi-cation symbol
Babr	ZboA
BbhA	BbhA
BbiB	BbiB
BbmB	BbiB
BcrAW	BcrAW
BdhAH	BdhAH
Be	BcrAW
BeF	GgbG
BeF	KugG
BfbAH	BfbAH
BgeAW	BgeAW
BgF	GgbG
BgF	KugG
BhbE3	BnuD3
BldC2	BlgC2
BleC3	BlgC3
BleE2	BlhD2
BlgC2	BlgC2
BlgC3	BlgC3
BlhD2	BlhD2
BluC	BluC
BmC	BluC
BnD2	BlhD2
BnD2	DbqE
BnuD3	BnuD3
Bo	BgeAW
Bo	BodAV
Bo	PlpAV

Field symbols	Publi-cation symbol
BobE5	BobE5
BodAH	BodAV
BodAV	BodAV
Bp	Uby
BpD3	BnuD3
BpD3	BobE5
Br	CxdA
Br	UfoA
Bu	BcrAW
BvoG	GgbG

Ca	EepAQ
Ca	MfwA
Cabr	CmbAW
Cabr	EdeAW
Cabr	GcpAW
Cabr	HctAW
CbeA	EepAQ
CbeA	MfwA
CdD2	PnnD
CdF	HeoF
CdF	PnnF
CeB2	WufB2
CkkB2	CldB2
CkkC2	BlgC2
CkkC3	BlgC3
CkkD2	BlhD2
CkkD3	BnuD3
CldB2	CldB2

Field symbols	Publication symbol
ClfA	ClfA
CmbAW	CmbAW
CmzA	CmzA
CmzB2	CmzB2
CmzC2	CmzC2
CnB2	CldB2
CnB2	StmB
CnB2	UfcB
CnC2	BlgC2
CnC2	UfcB
CnC2br	BlgC2
CnC2br	MhyC2
CnC2br	SoaB
CnC3	BlgC2
CnC3	BlgC3
CnC3	UfcB
CnD2	BlhD2
CnD3	BnuD3
ColD2	ColD2
ConC3	ConC3
Cr	ClfA
Cr	UfdA
CudA	CudA

CulB	CulB
CwB	CudA
CwB	CulB
CwB	FdbA
CwB	FdqB

Field symbols	Publication symbol
CwB	RehA
CwB	WdrB2
CwB	XfuB2
CxdA	CxdA
CyF	MrbF
CzA	CudA
CzA	UfnA
CzB2	CulB
DbqE	DbqE
DfnA	BbhA
Du	BbhA
EcyAH	EcyAH
EcyAW	EcyAW
EdeAW	EdeAW
Ee	EcyAH
Ee	EcyAW
Ee	OfaAW
EepAQ	EepAQ
FcA	FdbA
FcA	UfxA
FcB2	FdqB
FcB2	UfyB
FdbA	FdbA
FdqB	FdqB
FexA	FexA
FexAQ	FexAQ
FexB2	FexB2
FgqC3	FgqC3

Field symbols	Publication symbol

FoA	FexA
FoA	FexAQ
FoA	UenA
FoB2	FexB2
FoB2	UenB
FxC3	FgqC3
FxC3	UepC
GccAH	GccAH
GccAW	GccAW
GcpAW	GcpAW
Ge	GccAH
Ge	GccAW
Ge	HctAW
Ge	WprAV
Ge	WprAW
GgbG	GgbG
GgfD2	GgfD2
GgfE	GgfD2
GmrD2	GgfD2
GmrD3	GgfD2
GmrE	GgbG
GpD2	GgfD2
GpD3	GgfD2
GpE	GgbG
GpE	GgfD2
Gu	BlgC3
Gu	BobE5
Gu	ConC3

Field symbols	Publi-cation symbol
Gu	RctD3
Gu	SolC3
Ha	HcgAW
Hc	BcrAW
HccB2	PcrB2
HcgAH	HcgAW
HcgAW	HcgAW
HctAW	HctAW
HeF	SifE
HeF	SifG
HeoD2	BlhD2
HeoE2	BlhD2

HeoF	HeoF
Hh	LeaA
HifD3	BnuD3
HkC2	BlgC2
HkC2	UfcB
HkD2	BlhD2
HkD2br	SoeC2
HkE2	BlhD2
HkF	HeoF
HkFbr	DbqE
HkFbr	HeoF
HleAW	HleAW
HoC3	BlgC2
HoC3	BlgC3
HoC3	UfcB
HoD3	BnuD3

Field symbols	Publi-cation symbol
KugG	KugG
KxlG	KugG
La	NpcAQ
LeaA	LeaA
MaA	MfxA
MaB	MecAQ
MaB	MecB
MaB	XfuB2
MbA	MfwA
MbA	MfwAQ
MbA	UhyA
MbB2	MecB
MbB2	MfwB2
Mc	LeaA
Mc	MhuA
Mc	SfyA
Md	MjjAH
MecAQ	MecAQ
MecB	MecB
MfwA	MfwA
MfwAQ	MfwAQ
MfwB2	MfwB2
MfxA	MfxA
MhuA	MhuA

MhyB	MhyB
MhyC2	MhyC2
MjjAH	MjjAH
MmB2	MnpB2

Field symbols	Publication symbol
MmC2	MnpC2
MmC2	UkbC
MmD2	MnpD2
MmoC3	MmoC3
MmoD3	MmoD3
MnC2	SifG
MnC2	WdlC2
MnC2	XrbC2
MnC2	XrkD2
MnpB2	MnpB2
MnpC2	MnpC2
MnpD2	MnpD2
MoB3	MnpB2
MoC3	MmoC3
MoD3	MmoD3
MqbA	MqbA
MqbB2	MqbB2
MqbC2	MqbC2
MrbF	MrbF
MtA	CmzA
MtA	MqbA
MtB2	CmzB2
MtB2	MqbB2
MtC2	CmzC2
MtC2	MqbC2
NaaB2	NaaB2
NgA	NpeA
NgA	NpeAQ

Field symbols	Publication symbol

NgA	UkqA
NgB2	NpeB2
NgB2	UkqB
NnA	NpcA
NpcA	NpcA
NpcAQ	NpcAQ
NpeA	NpeA
NpeAQ	NpeAQ
NpeB2	NpeB2
ObaA	ObaA
OcA	ObaA
OcA	UkpA
OfaAW	OfaAW
OmkC2	PcrC2
OmkC3	PcrC3
OmkD2	BlhD2
Omz	Omz
OtB2	PcrB2
OtC2	PcrC2
OtC3	PcrC3
OtD2	BlhD2
PcrB2	PcrB2
PcrC2	PcrC2
PcrC3	PcrC3
Pe	PhaA
PeB	BbiB
PeB	MhyB
PeC2	MhyC2

Field symbols	Publi-cation symbol
PeC2	PcrC2
PhaA	PhaA
PlpAV	PlpAV
Pmg	Ppu
Pmg	Uaz
Pml	Pml
PnnD	PnnD
PnnF	PnnF
Ppu	Ppu
PrB	AfsB
PrB	UemB
PrC2	AfsC2

PrC2	UemC
Pt	BgeAW
RaC2	ConC3
RaC2	SucC2
RaD2	ColD2
RblD3	RctD3
RcsC2	ConC3
RcsC2	SucC2
RcsD2	ColD2
RctD3	RctD3
Re	RehA
Re	ReyA
Re	WsuA
Re	ZboA
ReD3	ColD2

Field symbols	Publi-cation symbol
ReD3	RctD3
RehA	RehA
ReyA	ReyA
ReyAQ	ReyAQ
Rf	ReyA
Rf	ReyAQ
Rg	ReyA
Rg	ReyAQ
Rh	SuoAH
RkF	ColD2
RkF	KugG
RnF	RqaG
Ro	RtxAH
Ro	RtxAK
RoB2	CldB2
RoB2	MhyB
RoB2	NaaB2
Rp	RtxAH
RqaG	RqaG
RsB2	AddB2
RsB2	NaaB2
RsB2	UfcB
RtxAH	RtxAH
RtxAK	RtxAK

RuB2	RywB2
RuB2	UfyB
RywB2	RywB2
Sa	BfbAH

Field symbols	Publication symbol
Sa	SocAH
Sc	BdhAH
Sc	SocAH
Sc	SocAW
Sf	WbiAW
SfyA	SfyA
Sh	HleAW
Sh	SldAH
Sh	SldAW
SifE	SifE
SifG	SifG
SldAH	SldAH
SldAW	SldAW
Sm	SnfA
Sm	UmqA
SnfA	SnfA
SoaB	SoaB
SoaB2	SoaB
SoaC2	SolC2
SoaC3	SolC3
SocAH	SocAH
SocAW	SocAW
SoeC2	SoeC2
SolC2	SolC2
SolC3	SolC3
SqmAH	SldAH
St	StaAV
StaAH	StaAV

Field symbols	Publication symbol
StaAV	StaAV

Stbr	WacAW
StdAH	StdAV
StdAQ	StdAQ
StdAV	StdAV
StmB	StmB
SucC2	SucC2
SujD5	SujD5
SulC2	SulC2
SuoAH	SuoAH
SutAH	SuoAH
SvqG	SifG
SwC2	SucC2
SwD3	SujD5
Sx	StdAV
Sx	WaaAV
Sx	WaaAW
Sy	EcyAH
Sy	GccAH
Sy	MecAQ
Sy	SuoAH
Sz	SuoAH
TlB	StmB
Uaa	Omz
Uaa	Uby
Uaz	Uaz
Ubx	RctD3
Uby	Omz

Field symbols	Publi-cation symbol
Uby	Uby
Ud	Uby
UemB	UemB
UemC	UemC
UenA	UenA
UenB	UenB
UepC	UepC
UfcB	UfcB
UfdA	UfdA
UfnA	UfnA
UfoA	UfoA
UfxA	UfxA
UfyB	UfyB

UhyA	UhyA
UkbC	UkbC
UkpA	UkpA
UkqA	UkqA
UkqB	UkqB
UmqA	UmqA
UnnA	UnnA
Usl	Usl
W	W
Wa	WaaAV
Wa	WaaAW
WaaAH	WaaAV
WaaAV	WaaAV
WaaAW	WaaAW
WacAW	WacAW

Field symbols	Publi-cation symbol
WaD	SoeC2
WbiAW	WbiAW
Wc	SocAH
Wc	SocAW
Wc	UnnA
Wc	WqlA
Wc	WqlAQ
WdlC2	WdlC2
WdrB2	WdrB2
WeC2	GgfD2
WeC2	SoeC2
WeC2	SulC2
Wh	WsuA
Wh	WsyAQ
WokAH	WokAW

Field symbols	Publi-cation symbol
WokAW	WokAW
WolAV	WolAV
WprAV	WprAV
WprAW	WprAW
WqlA	WqlA
WqlAQ	WqlAQ
WstA	WsuA

WsuA	WsuA
WsyAQ	WsyAQ
Wt	WbiAW
Wu	WokAW
WufB2	WufB2
XabB2	XabB2

Field symbols	Publication symbol
XeB2	XabB2
XfuB2	XfuB2
XrbC2	XrbC2
XrkD2	XrkD2
ZaB2	SoaB
ZaB2	StmB
ZaC2	SolC2
ZaC2	SolC3
ZaC3	SolC2
ZaC3	SolC3
ZboA	ZboA
Zp	CxdA
Zp	WolAV
Zp	ZboA

CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY
ANALYSIS FOR
BARTHOLOMEW COUNTY, INDIANA SUBSET

Other MLRA Laboratory data

Purdue lab data
Sample AsLab NumberPublication SymbolApproved series and map unit
AvonburgS70IN3-1AddAAvonburg silt loam, 0-2 percent slopes
BartleS69IN3-1BbhABartle silt loam, 0-2 percent slopes
ClermontS70IN3-6UfdAUrban land-Cobbsfork-Avonburg complex, 0-2 percent slopes
DuboisS70IN3-5BbhABartle silt loam, 0-2 percent slopes
Fincastle S70IN3-4CudACrosby silt loam, 0-2 percent slopes
HickoryS70IN3-3BlgC3Blocher-Cincinnati silt loams, 6-12 percent slopes, severely eroded
PeogaS69IN3-2WaaAWWakeland silt loam, 0-2 percent slopes, occasionally flooded, very brief duration
ZippS69IN3-3BdhAHBellcreek silty clay loam, 0-1 percent slopes, frequently flooded, brief duration

National Soil Survey Lab data

Miami loamS82IN005005XrbC2Miami-Rainsville loams, 6-12 percent slopes, eroded
MoundhavenS83IN005001SuoAHStonelick fine sandy loam, 0-2 percent slopes, frequently flooded, brief duration
OckleyS82IN005008MecBMartinsville loam, 2-6 percent slopes

Notes To Accompany The Classification And Correlation of The Soils Of Bartholomew County, Indiana By Tonie Endres, Mike Wigginton, Bennie Clark, Byron Nagel and Dena Marshall, March 2002

Alvin Series Previously correlated as consociations of Princeton series. Based on transect data, Princeton soils will be recorrelated in complex with Alvin soils. Also included as a component of urban land map units. The typical pedon for the subset taxonomic unit is from Bartholomew County (AfsC2).

Avonburg Series Previously correlated as Avonburg series. On the updated maps, some AddA map units were delineated out of the 1976 AvB2 map units on broad interfluves. Also, some AddA map units were delineated between the 1976 map units of RsB2 and Cr. The AddB2 map unit is significantly changed on the updated maps. Map units previously delineated as AvB2 included side slopes and nose slopes adjacent to and below the Avonburg AvA map units. These have been changed to Nabb (NaaB2) while most units mapped in head slopes will remain AddB2. Also included as a component of an urban land map unit. The typical pedon for the subset taxonomic unit is the OSD type location in Scott County, Indiana.

Ayrshire Series Previously correlated as Ayrshire series. Slope is added to the map unit name. The typical pedon for the subset taxonomic unit is the OSD type location in Clay County, Indiana (AmkA).

Bartle Series Previously correlated as Bartle and Dubois series. In the Camp Atterbury part of the Brown and part of Bartholomew County survey, a Bartle (Ba) silt loam was correlated on 0 to 3 % slopes. Transects and site observations show the slope to be dominantly 0 to 2%. Included were Peoga soils, and map units greater than 1.4 acres are separated by using photo interpretation, and verified by site confirmation.

In Bartholomew County, it is determined that the Bartle and Dubois map units are on the same landform, elevation, formed in the same parent materials, and have the same basic soil properties. Lab data on these soils collected and analyzed during the 1976 survey do not show distinguishing soil property differences. Therefore, the Dubois soils will not be correlated in this update. Some of the 1976 map units of Bartle soils are on high flood-plain steps, and will be correlated to Stendal, rarely flooded.

In the Camp Atterbury part of the Brown and part of Bartholomew County, a map unit was correlated as PeB Pekin silt loam, 2 to 6 percent slopes. Documentation supports this map unit as a complex of Bartle and Pekin soils. Some PeB delineations included areas of Bartle on 0 to 2 percent slopes, which were separated. This BbiB complex map unit will only be correlated within the Atterbury boundary.

Taxadjunct- classifies as Aeric Fragic Epiaqualf (Fragic Soil Properties rather than Fragipan). The typical pedon for the subset taxonomic unit is the MLRA pedon from Floyd County, Indiana.

Beanblossom Series In the Camp Atterbury part of the Brown and part of Bartholomew County, a Beanblossom map unit was correlated as a channery silt loam phase. Transects and site observations in Camp Atterbury show the dominant textural phase to be silt loam.

Previously correlated as Burnside series in Bartholomew County. The Burnside loam is correlated to Beanblossom silt loam. The typical pedon for the subset taxonomic unit is the OSD type location in Jackson County, Indiana.

Bellcreek Series Previously correlated as Saranac series. Slope, flooding frequently and duration are added to the map unit name. The typical pedon for the subset taxonomic unit is the OSD type location in Delaware County, Indiana (BdhAH).

Birds Series This series replaces nonacid soils previously included with and correlated as Bonnie soils in the 1976 Bartholomew County published survey. In the Camp Atterbury part of the Brown and part of Bartholomew County survey, this series is part of a Wakeland-Birds complex map unit correlated for some of the non-acid poorly drained soils included with Stendal. The typical pedon for the subset taxonomic unit is the OSD type location in Lawrence County, Illinois.

Blocher Series - In the Camp Atterbury part of the Brown and part of Bartholomew County survey, a BnD2 map unit is correlated as Bonnell loam, 12 to 20 percent slopes, eroded. Transects and site observations in Atterbury show the surface texture to be dominantly silt loam, and the Blocher series to be a dominant component on 12 to 18 percent slopes. Lab data (Purdue S81IN13-7) from the Bonnell typical pedon in Brown County and the majority of Brown County historical field notes verifies a silt loam surface layer.

In Bartholomew County, the 1976 map units of Cincinnati, CnD2 and Hickory, HkD2 and HkE2 will be correlated to the BlhD2 Blocher-Bonnell complex map unit. Also, the Otwell, OtD2 map unit is dominantly correlated to this map unit. This OtD2 map unit is typically associated with this Blocher map unit, and has formed in till-like loamy material.

In the Camp Atterbury part of the Brown and part of Bartholomew County, the CnC2 Cincinnati silt loam, 6 to 12 percent slopes, eroded is dominantly Blocher soils. In the update of Bartholomew County, the 1976 map units of Hickory, HkC2 and Cincinnati, CnC2 will be combined into the BlgC2 Blocher-Cincinnati complex map unit. Documentation indicates that the 1976 survey separation of the eroded and severely eroded erosion classes was inconsistent. Therefore, the erosion class assigned to the C slope map units is based on photo interpretation and review of an older aerial flight of the area.

In Bartholomew County, the 1976 map units of Hickory, HoC3 and Cincinnati, CnC3 will be combined into the BlgC3 Blocher-Cincinnati complex map unit. Documentation indicates that the 1976 survey separation of the eroded and severely eroded erosion classes was inconsistent. Therefore, the erosion class assigned to the C slope map units will be based on photo interpretation and review of an older aerial flight of the area.
The typical pedon for the subset taxonomic unit is the OSD type location in Scott County, Indiana.

Bloomfield Series Previously correlated as a consociation of Bloomfield series. Based on transect data, Bloomfield will be recorrelated in complex with Alvin soils. Surface texture changed to loamy sand based on transect and lab data. The typical pedon for the subset taxonomic unit is from Bartholomew County, Indiana (BluC).

Bonnell Series - In the Camp Atterbury part of the Brown and part of Bartholomew County, the map unit correlated as BpD3 Bonnell clay loam, 12 to 20 percent slopes, gullied is dominantly class 3 erosion, and therefore most units are correlated to the BnuD3 Bonnell-Hickory-Blocher complex map unit. Some site checks have noted that gullied bedrock map units were included in the BpD3 units, and these are correlated to MLRA 120 soil map units.

In the update of Bartholomew County, the 1976 map units of Hickory, HoD3 and Cincinnati, CnD3 are correlated to the BnuD3 complex map unit. The 1976 map units of Hickory, HkD2 and HkE2 are correlated to the BlhD2 Blocher-Bonnell complex map unit.

In the Camp Atterbury part of the Brown and part of Bartholomew County, a map unit correlated as BpD3 Bonnell clay loam, 12 to 20 percent slopes, gullied is dominantly class 3 erosion, and but a few units are correlated to the BobE5 Bonnell-Hickory gullied phase. The typical pedon for the subset taxonomic unit is the OSD type location in Ohio County, Indiana.

Bonnie Series - Previously correlated as Bonnie series. The typical pedon for the subset taxonomic unit is the MLRA pedon in Scott County, Indiana.

Brownstown Series In the Camp Atterbury part of the Brown and part of Bartholomew County, a map unit was correlated as BgF Berks-Trevlac-Wellston complex, 20 to 70 percent slopes. Documentation shows this unit to be dominated by the Gilwood and Brownstown soils. No significant amount of Trevlac or Wellston soils were in the Atterbury transect data. The Berks (now correlated as Brownstown) soils in the Brown and part of Bartholomew County survey is correlated as having a very channery surface layer. No other subset surveys in this part on MLRA 120 correlated a very channery phase, but some subsets correlated a Berks channery silt loam phase. Transect data from Atterbury indicates that about 65 to 70 percent of the surface layer is silt loam, and about 25 to 30 percent is channery silt loam.

In Bartholomew County, the Gilwood-Brownstown GgbG map unit is correlated for the 1976 undifferentiated map unit of BeF Berks and Weikert soils, 25 to 50 percent slopes. The typical pedon for the subset taxonomic unit is the OSD type location in Scott County, Indiana.

Casco Series- Previously included with Fox series. Transect data supports the recorrelation of Casco soils in complex with Fox soils in the FqgC3 map unit. Also included as a component of urban land map units. The typical pedon for the subset taxonomic unit is from Bartholomew County, Indiana (FgqC3).

Chetwynd Series In the Camp Atterbury part of the Brown and part of Bartholomew County, a map unit is correlated as CdD2 Chetwynd loam, 12 to 20 percent slopes, eroded. Documentation shows this map unit to be a complex of Pike and Chetwynd soils. The Pike soils are on the upper part of back slopes, and the Chetwynd soils are on the lower part of back slopes. Both components have silt loam surface textures in Camp Atterbury.

In the Camp Atterbury part of the Brown and part of Bartholomew County, a map unit is correlated as CdF Chetwynd loam, 20 to 50 percent slopes. Documentation shows this map unit to be a complex of Pike and Chetwynd soils. The Pike soils are on the upper part of back slopes, and the Chetwynd soils are on the lower part of back slopes. Both components have silt loam surface textures in Camp Atterbury. The typical pedon for the subset taxonomic unit is the OSD type location in Morgan County, Indiana.

Cincinnati Series In the Camp Atterbury part of the Brown and part of Bartholomew County, and in the 1976 Bartholomew County survey, Cincinnati was mapped as consociations in the B and C slope map units. These map units are recorrelated as part of a complex of Cincinnati and Blocher components. Also Cincinnati is included as a component of an urban land map unit. The typical pedon for the subset taxonomic unit is the MLRA pedon from Scott County, Indiana.

Cincinnati soils do not have some part of the argillic horizon above a depth of 60 inches that averages between 4 and 15 percent rock fragments. These soils are not considered to be taxadjuncts, however.

Cliftycreek Series This series is established with this correlation. Previously included with Milton soils. Transect data indicated that some areas on uplands mapped as Milton soils are deeper than 40 inches to bedrock. The typical pedon for the subset taxonomic unit is the OSD type location in Bartholomew County, Indiana (CmzB2).

Cobbsfork Series - Previously correlated as Clermont series in the 1976 Bartholomew County Soil Survey. Also included as a component of an urban land map unit. The typical pedon for the subset taxonomic unit is the OSD type location in Jefferson County, Indiana.

Cohoctah Series Previously correlated as Chagrin series in the Brown County and part of Bartholomew County 1990 published report. Slope, flooding frequency and duration are added to the map unit name. The typical pedon for the subset taxonomic unit is from Montgomery County, Indiana (CmbAW).

Coolville Series - Previously included with Rarden series map units. The typical pedon for the subset taxonomic unit is the MLRA pedon from Scott County, Indiana.

Crosby Series Previously correlated as consociations of Crosby series. Crosby soils in the B2 map unit will be recorrelated in complex with Williamstown soils on 2 to 4 percent, noneroded slopes based on transect data. As is typical for this series, much is borderline fine to fine silty or fine loamy. Also included as a component of urban land map units. The typical pedon for the subset taxonomic unit is the OSD type location in Henry County, Indiana (CudA).

Cyclone Series Previously correlated as Brookston series. Slope is added to the map unit name. Also included as a component of urban land map units. The typical pedon for the subset taxonomic unit is from Bartholomew County, Indiana (CxdA).

Deam Series The DbqE map unit is separated in areas dominated by what is considered to be New Providence Shale, but appears to have been slightly altered by glacial action. These Deam soils formed in thin loess and the underlying residual materials from shale. The depth to bedrock is typically below 40 inches, which is outside the series RIC. The DMU horizon data will reflect a depth of 40 to 60 inches. It was included with part of the Brown and part of Bartholomew County map units of HkF Hickory silt loam, 20 to 70 percent slopes, and BnD2 Bonnell loam, 12 to 20 percent slopes, eroded. The typical pedon for the subset taxonomic unit is the OSD type location in Scott County, Indiana.

Eel Series Previously correlated in Bartholomew County with a silt loam surface texture. Changed to loam based on transect data. Previously included with Chagrin and Stonelick soils in the Brown County and part of Bartholomew County 1990 published report. Slope, flooding frequency and duration are added to the map unit name. Mainly along the minor tributaries, in many places carbonates are lacking within 40 inches, which is series criteria. The typical pedon for the subset taxonomic unit is from Bartholomew County, Indiana (EcyAH).

Elkinsville Series Previously included with the Camden series. The typical pedon for the subset taxonomic unit is the OSD type location in Ripley County, Indiana.

Fincastle Series Previously correlated as consociations of Fincastle series. Based on transect data, Fincastle soils in the B2 map unit will be recorrelated in complex with Xenia soils on 2 to 4 percent, noneroded slopes. Also included as a component of urban land map units. The typical pedon for the subset taxonomic unit is the OSD type location in Rush County, Indiana (FdbA).

Fox Series Previously correlated as consociations of Fox series. Soils in A map units will be split into two maps units. Those on low terraces are recorrelated as a rarely flooded phase; those on higher terraces will remain as originally correlated. Fox soils in the C3 map unit will be recorrelated as a complex of Fox and Casco soils. Transect data supports changing the surface texture to sandy loam. Also included as a component of urban land map units. The typical pedon for the subset taxonomic unit is from Bartholomew County, Indiana (FexA).

Genesee Series Previously correlated as Genesee series in Bartholomew County. Previously correlated as Stonelick soils in the Brown County and part of Bartholomew County 1990 published report. Slope, flooding frequency and duration are added to the map unit name. Mainly along the minor tributaries, in many places carbonates are lacking within 40 inches, which is a series criterion. The typical pedon for the subset taxonomic unit is from Bartholomew County, Indiana (GccAH).

Gilwood Series Previously correlated as BgF Berks-Trevlac-Wellston complex, 20 to 70 percent slopes in the Brown County and part of Bartholomew County 1990 published report. In Camp Atterbury documentation shows this BgF unit underlain with a lithic contact to be dominated by the Gilwood soils. GgbG Gilwood-Brownstown map unit is correlated for the BgF map unit with a lithic contact.

In Bartholomew County, the GgbG Gilwood-Brownstown map unit is correlated for the 1976 undifferentiated map unit of BeF Berks and Weikert soils, 25 to 50 percent slopes with a lithic contact.

In the Camp Atterbury part of the Brown and part of Bartholomew County, a GgfE2 Gilwood-Wrays complex map unit is correlated for part of the WeC2 map units of Wellston-Gilpin complex with a lithic contact and on the lower part of the backslope.

In Bartholomew County, the GgfE2 Gilwood-Wrays complex map unit is correlated for the 1976 map units of the GpD2 Gilpin silt loam, 12 to 18 percent slopes, eroded; the GpE Gilpin silt loam, 18 to 25 percent slopes; and the GpD3 Gilpin silt loam, 12 to 25 percent slopes, severely eroded. It is determined that the GpD3 map unit is dominantly class 2 erosion. The typical pedon for the subset taxonomic unit is the OSD type location in Jackson County, Indiana.

Gnawbone Series Previously correlated as BgF Berks-Trevlac-Wellston complex, 20 to 70 percent slopes in the Brown County and part of Bartholomew County 1990 published report. In Camp Atterbury, documentation shows this BgF unit underlain with a paralithic contact to be dominated by the Kurtz and Gnawbone soils. KugG Kurtz-Gnawbone complex map unit is correlated for the BgF map units with a paralithic contact.

In Bartholomew County, the KugG Kurtz-Gnawbone map unit is correlated for the 1976 undifferentiated map unit of BeF Berks and Weikert soils, 25 to 50 percent slopes with a paralithic contact. The typical pedon for the subset taxonomic unit is the OSD type location in Scott County, Indiana.

Gullied Land This map unit is dropped from the 1976 legend. The map units are in MLRAs 114 and 120, and are changed to severely eroded phases of appropriate map units.

Haymond Series Previously correlated in Camp Atterbury, part of the Brown and part of Bartholomew County as Ca Chagrin silt loam, occasionally flooded. Transect data supports a complex of Haymond and Wirt components.

Previously correlated in Bartholomew County 1976 published report as Haymond series. Slope, flooding frequency and duration are added to the map unit name. The typical pedon for the subset taxonomic unit is the OSD type location in Knox County, Indiana.

Hickory Series - Previously correlated as Hickory series. Correlated as a component of new phases in the Camp Atterbury part of the Brown and part of Bartholomew County. In the 1976 Bartholomew County Soil Survey, correlated as both the same phase and as a component of new phases. The typical pedon for the subset taxonomic unit is the MLRA pedon in Scott County, Indiana.

Holton Series - Correlated for a few map units of the 1976 Bartholomew County Soil Survey as Shoals soils that join with Jennings County. The typical pedon for the subset taxonomic unit is the OSD type location in Ripley County, Indiana.

Kendallville Series Previously correlated in Camp Atterbury as Miami, C2 slope. Field transects indicate a complex of Miami and Kendallville series. The typical pedon for the subset taxonomic unit is the OSD type location in Champaign County, Ohio.

Kurtz Series - Previously correlated as BgF Berks-Trevlac-Wellston complex, 20 to 70 percent slopes in the Brown County and part of Bartholomew County 1990 published report. In Camp Atterbury, documentation shows the BgF map unit underlain with a paralithic contact to dominated by the Kurtz and Gnawbone soils. The KugG Kurtz-Gnawbone complex map unit is correlated for the BgF map unit with a paralithic contact.

In Bartholomew County, the KugG Kurtz-Gnawbone map unit is correlated for the 1976 undifferentiated map unit of BeF Berks and Weikert soils underlain with a paralithic contact, and for the RkF Rockcastle soils. The typical pedon for the subset taxonomic unit is the OSD type location in Scott County, Indiana.

Lauer Series Previously correlated as Henshaw series and part of the McGary series for the Bartholomew County published report. Previously included with the Bartle series in the Brown County and part of Bartholomew County 1990 published report. The Lauer soils in Bartholomew County are formed in less than 40 inches of silty material, but are considered to be fairly typical of the Lauer series in other morphological characteristics and interpretations. The typical pedon for the subset taxonomic unit is the OSD type location in Perry County, Indiana (LeaA).

Martinsville Series Previously correlated as Martinsville series in the Bartholomew County 1976 published report. Areas of Martinsville soils on stream terraces will be correlated as a sandy substratum phase. A rarely flooded phase is added for Martinsville soils on 0 to 2 percent slopes on low stream terraces. Also included as a component of urban land map units. Martinsville series correlated in the Brown County and part of Bartholomew County 1990 published report will be maintained as Martinsville. The typical pedon for the subset taxonomic unit is from Bartholomew County, Indiana (MfwA).

McGary Series Previously correlated as part of the McGary series. Slope is added to the map unit name. The typical pedon for the subset taxonomic unit is the OSD type location in Greene County, Indiana (MhuA).

Medora Series Medora soils, MhyB map unit, was included in the Camp Atterbury part of the Brown and part of Bartholomew County map units of (RoB2) Rossmoyne map unit, and (PeB) Pekin map unit where associated with the Chetwynd soils. The Medora soils, MhyC2 map unit, was included in the Camp Atterbury part of the Brown and part of Bartholomew County PeC2 Pekin map unit associated with Chetwynd soils, and part of the CnC2 Cincinnati map units.

Taxadjunct- classifies as Fragiaquic Paleudult (Fragic Soil Properties rather than Fragipan). The typical pedon for the subset taxonomic unit is from Bartholomew County, Indiana.

Medway Series Previously correlated as Medway series. Slope, flooding frequency and duration are added to the map unit name. The typical pedon for the subset taxonomic unit is from Bartholomew County, Indiana (MjjAH).

Miami Series Previously correlated as Miami series. Transects in the B3 map unit indicate that silt loam is the dominant surface texture. This map unit will be recorrelated as a B2 map unit. Previously correlated as Miami series in the Brown County and part of Bartholomew County 1990 published report. Transect data supports a complex of Miami and Rainsville soils. Also included as a component of urban land map units. The typical pedon for the subset taxonomic unit is the OSD type location in Hendricks County, Indiana (MnpB2).

Milton Series Previously correlated as Milton series. These soils are on strath terraces which is not typical for the Milton series. In some areas, the Milton soils in Bartholomew County are underlain by calcareous, fine-grained sandstone which is not typical for the Milton series. The typical pedon for the subset taxonomic unit is from Bartholomew County, Indiana (MqbA).

The Milton soils in the MrbF map unit, Milton-Rock outcrop complex, 25 to 40 percent slopes, are taxadjuncts to the Milton series because they have less clay in the particle-size control section than is defined for the series. They classify as fine-loamy, mixed, active, mesic Typic Hapludalfs.

Nabb Series - Previously correlated as Rossmoyne series. In the Bartholomew County Survey, the RsB2 Rossmoyne silt loam, 2 to 6 percent slopes, eroded is correlated to the Nabb, NaaB2 map unit. Several 1976 survey map units of the Avonburg, AvB2 phase on side slopes and nose slopes are correlated to this Nabb unit. Also included as a component of an urban land map unit. The typical pedon for the subset taxonomic unit is the OSD type location in Scott County, Indiana.

Nineveh Series Previously correlated as Nineveh series. Surface textures are changed based on transect data. A rarely flooded phase is added for Nineveh soils on low stream terraces. Also included as component of urban land map units. The typical pedon for the subset taxonomic unit is the OSD type location in Shelby County, Indiana (NpeA).

The Nineveh soils in the NpcA and NpcAQ map units are taxadjuncts to the Nineveh series because they lack strongly contrasting particle-size classes and have less clay in the particle-size control section which are defined for the Nineveh series. (The NpcAQ map units were formerly correlated as Landes). They classify as coarse-loamy, mixed, active, mesic Typic Argiudolls.

Ockley Series Previously correlated as Ockley series. Also included as a component of urban land map units. The typical pedon for the subset taxonomic unit is from Bartholomew County, Indiana (ObaA).

Oldenburg Series - Correlated for a few map units of the Eel soils in the 1976 Bartholomew County Soil Survey that join with Jennings County. The typical pedon for the subset taxonomic unit is the OSD type location in Franklin County, Indiana.

Pekin Series - In the Bartholomew County Survey, the OtB2 Otwell silt loam, 2 to 6 percent slopes is correlated to the PcrB2 Pekin map unit. The OSD type location for the Otwell soils is currently in Bartholomew County. It is determined that the Otwell series will not be correlated in this update, and therefore the Otwell OSD type location will be moved to a more representative pedon within MLRA 114.

In the Camp Atterbury part of the Brown and part of Bartholomew County, the PeC2 Pekin silt loam, 6 to 12 percent slopes, eroded map units that are not associated with the Pike-Chetwynd map units are correlated to the PcrC2 map unit.

In the Bartholomew County Survey, the OtC2 Otwell silt loam, 6 to 12 percent slopes, eroded map unit is correlated to the Pekin PcrC2 map unit.

In the Bartholomew County Survey, the OtC3 Otwell silt loam, 6 to 12 percent slopes, severely eroded map unit is correlated to the Pekin PcrC3 map unit.

Taxadjunct- classifies as Fragiaquic Hapludult (Fragic Soil Properties rather than Fragipan). The typical pedon for the subset taxonomic unit is the MLRA pedon from Floyd County, Indiana.

Peoga Series - In the Camp Atterbury part of the Brown and part of Bartholomew County, the Peoga soils were included in the Bartle silt loam, 0 to 3 percent slopes map unit. They are delineated and correlated to the PhaA Peoga map unit.

In the Bartholomew County Survey, the (Pe) Peoga map unit is correlated as Peoga. The typical pedon for the subset taxonomic unit is the OSD type location in Scott County, Indiana.

Pike Series - In the Camp Atterbury part of the Brown and part of Bartholomew County, the map unit previously correlated as CdD2 Chetwynd loam, 12 to 20 percent slopes, eroded is correlated to PnnD Pike-Chetwynd complex map unit. The Pike soils are on the upper part of back slopes, and the Chetwynd soils are on the lower part of back slopes. Both components have silt loam surface textures in Atterbury.

In the Camp Atterbury part of the Brown and part of Bartholomew County, the map previously correlated as CdF Chetwynd loam, 20 to 50 percent slopes is correlated to PnnF Pike and Chetwynd complex map unit. The Pike soils are on the upper part of back slopes, and the Chetwynd soils are on the lower part of back slopes. Both components have silt loam surface textures in Atterbury. The typical pedon for the subset taxonomic unit is the OSD type location in Owen County, Indiana.

Piopolis Series These soils occur in the White Creek flood plain (27 to 35 percent clay in the particle-size control section) and were previously included with and correlated with the Bonnie series. The typical pedon for the subset taxonomic unit is the MLRA pedon in Jackson County, Indiana.

Princeton Series Previously correlated as consociations of Princeton series. Based on transect data, Princeton soils will be recorrelated in complex with Alvin soils. Also included as a component of urban land map units. The typical pedon the subset taxonomic unit is the OSD type location in Vigo County, Indiana.

Rainsville Series Previously included in Miami map units in the Brown County and part of Bartholomew County 1990 published report. Transect data supports a complex of Miami and Rainsville soils. The typical pedon for the subset taxonomic unit is the OSD type location in Warren County, Indiana.

Rarden Series - Previously correlated as a consociation of Rarden series, but are now correlated as a component in complex with Coolville soils. The typical pedon for the subset taxonomic unit is the MLRA pedon in Scott County, Indiana.

Rensselaer Series Previously correlated as Rensselaer series. Transect data in the Rg map unit indicates that loam is the dominant texture. This map unit will be recorrelated as ReyA. Slope is added to the map unit name. Based on transect data, from Atterbury military reserve, Rensselaer soils will be recorrelated in complex with Treaty soils. Rensselaer soils will be recorrelated in a complex with Treaty soils for mapunits on the till plain and as a consociation of Rensselaer for outwash areas. The typical pedon for the subset taxonomic unit is from Bartholomew County, Indiana (ReyA).

Rodman Series Previously correlated as Rodman series. Transect data supports changing the surface texture to sandy loam. The typical pedon for the subset taxonomic unit is the OSD type location in Fountain County, Indiana (RqaG).

Rossburg Series Previously correlated as Ross series. Transect data indicates that the mollic epipedon is typically less than 24 inches in thickness. Silt loam surface, occasional and frequent flooding map units are correlated. Slope, flooding frequency and duration are added to the map unit name. The typical pedon for the subset taxonomic unit is from Bartholomew County, Indiana (RtxAH).

Russell Series The typical pedon for the subset taxonomic unit is the OSD type location in Putnam County, Indiana. Also included as a component of urban land map units. The Russell soils in Bartholomew County have a seasonal high water table at depths of 4 to 6 feet.

Senachwine Series Previously correlated as Hennepin series; the HeF map unit was on 18-40 percent slopes. SifE is on 18-25 percent slopes and SifG is on 25-70 percent slopes. Well drained soils in steeper areas will be recorrelated as Senachwine series. The typical pedon for the subset taxonomic unit is from Bartholomew County, Indiana (SifG).

Shircliff Series - In the 1976 Bartholomew County survey, the Shircliff soils were included in part of the McGary map units. The typical pedon for the subset taxonomic unit is the OSD type location in Perry County, Indiana.

Shoals Series Previously correlated as Shoals series. Slope, flooding frequency and duration are added to the map unit name. The typical pedon for the subset taxonomic unit is from Montgomery County, Indiana (SldAH).

Sleeth Series Previously correlated as Sleeth series. Slope is added to the map unit name. Also included as a component of urban land map units. The typical pedon for the subset taxonomic unit is the OSD type location in Bartholomew County, Indiana (SnfA).

Sloan Series Previously correlated as Westland series. Areas of Westland soils that are subject to flooding are recorrelated as Sloan series. The typical pedon for the subset taxonomic unit is the OSD type location in Mercer County, Ohio (SocAH).

Spickert Series - In the Camp Atterbury part of the Brown and part of Bartholomew County, the Spickert soils in the SoaB map unit were included as part of the WeC2 Wellston-Gilpin silt loams, 6 to 20 percent slopes, eroded map unit.

In the Bartholomew County Survey, the 1976 map unit of ZaB2 Zanesville silt loam, 2 to 6 percent slopes, eroded that are underlain with a lithic contact is correlated to this SoaB map unit.

In the Bartholomew County Survey, the 1976 map unit of ZaC2 Zanesville silt loam, 6 to 12 percent slopes, eroded that is underlain with a lithic contact is correlated to the SolC2 Spickert-Wrays complex. It is determined that much of the ZaC3 map unit is in class 2 erosion, and therefore several units are correlated to this SolC2 unit.

In the Bartholomew County Survey, the 1976 map units of ZaC3 Zanesville silt loam, 6 to 12 percent slopes, severely eroded, and Gu Gullied land map units on the same landform position that are underlain with a lithic contact are correlated to the SolC3 Spickert-Wrays complex.

In the Camp Atterbury part of the Brown and part of Bartholomew County part of the map unit correlated as WeC2 Wellston-Gilpin silt loams, 6 to 20 percent slopes, eroded with a lithic contact is correlated to the SoeC2 map unit. The correlation of this SoeC2 map unit will be within the Atterbury boundary.

Taxadjunct- classifies as Fragiaquic Hapludult (Fragic Soil Properties rather than Fragipan). The typical pedon for the subset taxonomic unit is the MLRA pedon from Bartholomew County, Indiana.

Steff Series Part of the Bartholomew County Survey, the 1976 St Steff map unit is correlated to the StaAV Steff map unit. Part of the 1976 St map units are correlated to the Wilbur map unit where they are determined to dominantly be in the non-acid family, especially units on narrow floodplains draining adjacent dissected till plains. The typical pedon for the subset taxonomic unit is the MLRA pedon from Scott County, Indiana.

Taxadjunct classifies as coarse-silty, mixed, active, mesic Fluvaquentic Dystrudepts.

Stendal Series - Part of the Bartholomew County Survey, the 1976 Sx Stendal silt loam is correlated to the StdAV Stendal map unit. Part of the 1976 Sx map units are correlated to the Wakeland map units where they are determined to dominantly be in the non-acid family, especially units on narrow flood plains draining adjacent dissected till plains.

Some of the Bartholomew County 1976 Ba Bartle silt loam map units are correlated to the StdAQ Stendal map unit where they occur on high floodplain steps. The typical pedon for the subset taxonomic unit is the OSD type location in Scott County, Indiana.

Stonehead Series In the Camp Atterbury part of the Brown and part of Bartholomew County, the map unit correlated as TlB Tilsit silt loam, 2 to 6 percent slopes is correlated to the StmB Stonehead map unit.

In the Bartholomew County Survey, the 1976 map unit of ZaB2 Zanesville silt loam, 2 to 6 percent slopes, eroded that is underlain with a paralithic contact is correlated to the StmB map unit.

In the Camp Atterbury part of the Brown and part of Bartholomew County, a part of the map unit correlated as WeC2 Wellston-Gilpin silt loams, 6 to 20 percent slopes, eroded underlain with a paralithic contact is correlated to the SupC2 map unit.

In the Camp Atterbury part of the Brown County and part of Bartholomew County, part of the BpD3 map unit is correlated to the SujD5 Stonehead gullied phase. The typical pedon for the subset taxonomic unit is the OSD type location in Jackson County, Indiana.

Stonelick Series Previously correlated as Stonelick series. Lab data supports changing the surface texture to fine sandy loam. Slope, flooding frequency and duration are added to the map unit name. The typical pedon for the subset taxonomic unit is from Bartholomew County, Indiana (SuoAH).

Strawn Series - This series correlated on the Camp Atterbury soil survey update is re-correlated to Senachwine.

Treaty Series Previously correlated as Crosby and Rensselaer series for the Brown County and part of Bartholomew County 1990 published report. Based on transect data, Treaty soils will be recorrelated in complex with Rensselaer soils. Slope is added to the map unit name. The typical pedon for the subset taxonomic unit is the OSD type location in Montgomery County, Indiana.

Wakeland Series - The WaaAV map unit is correlated for frequently flooded areas of the Bartholomew 1976 map unit of Wakeland silt loam. This map unit also includes a few of the 1976 Sx Stendal map units that are determined to be non-acid.

The WaaAW map unit is correlated for occasionally flooded areas of the 1976 unit of Wakeland silt loam. This map unit also includes some of the 1976 Sx Stendal map units that are determined to be non-acid.

The WabAW Wakeland-Birds silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration map unit was included with St Stendal silt loam, frequently flooded in the Camp Atterbury part of the Brown County and part of Bartholomew County 1990 published report. Documentation shows this unit to be dominantly non-acid soils, and a complex of Wakeland and Birds components. Most areas are in flood plains draining loess covered Illinoian-age outwash and till. The typical pedon for the subset taxonomic unit is the OSD type location in Knox County, Indiana.

Wawaka Series Previously correlated as Crosby and Miami series for the Brown County and part of Bartholomew County 1990 published report. The Wawaka soils in Bartholomew County are not a source of sand and gravel. The underlying till is believed to be of Illinoian age with paleosolic properties. These soils have a 3Btb horizon. The reaction in the 3Btb horizon is more acidic than defined for the lower part of the series control section. The 3Btb horizon also has a subhorizon with loam texture which is also outside the series range. NASIS component data will be adjusted to reflect these properties but the soils are not considered to be taxadjuncts. The typical pedon for the subset taxonomic unit is from Johnson County (WdrB2 in Atterbury).

Wellrock Series - Previously correlated as part of the Wellston series. In the Camp Atterbury part of the Brown and part of Bartholomew County, part of the map unit correlated as WeC2 Wellston-Gilpin silt loams, 6 to 20 percent slopes, eroded with a paralithic contact is correlated to the SupC2 Stonehead-Wellrock complex map unit. The typical pedon for the subset taxonomic unit is the OSD type location in Brown County, Indiana.

Westland Series Previously correlated as Westland series. Slope is added to the map unit name. A rarely flooded phase is added for Westland soils on low stream terraces. Also included as a component of urban land map units. The typical pedon for the subset taxonomic unit is from Bartholomew County, Indiana (WqlA).

Whitaker Series Previously correlated as Whitaker series. Previously correlated as a complex of Rensselaer and Whitaker series for the Brown County and part of Bartholomew County 1990 published report. Slope is added to the map unit name. Whitaker sandy loam, 0 to 2 percent slopes, rarely flooded is added to the legend. The typical pedon for the subset taxonomic unit is the OSD type location in Marshall County, Indiana (WsuA).

Wilbur Series - Previously correlated as Wilbur series. In the Bartholomew County survey, the WokAW map unit is correlated for occasionally flooded areas of the 1976 unit of Wilbur silt loam. This map unit also includes some of the 1976 St Steff map units that are determined to be non-acid.

In the Camp Atterbury part of the Brown and part of Bartholomew County, the WbiAW Wilbur-Wakeland complex map unit is correlated for the 1990 map unit of Sf Steff silt loam, frequently flooded. Documentation shows this unit to be dominantly non-acid soils, and a complex of the Wilbur and Wakeland components. Most areas are in flood plains draining loess covered Illinois-age outwash and till. This unit will only be correlated within the Camp Atterbury boundary. The typical pedon for the subset taxonomic unit is the OSD type location in Gibson County, Indiana.

Wilhite Series The WolAV map unit is correlated for part of the 1976 Bartholomew County survey Zp Zipp silty clay loam map unit that is a backswamp, mainly along Denios Creek. The typical pedon for the subset taxonomic unit is the OSD type location in Pike County, Indiana.

Williamstown Series Previously correlated as Celina series. Transect data supports recorrelating these soils as Williamstown series. The typical pedon for the subset taxonomic unit is the OSD type location in Decatur County, Indiana (WufB2).

Wirt Series - In the Camp Atterbury part of the Brown and part of Bartholomew County, Wirt is a component of the HctAW Haymond-Wirt complex map unit. Also correlated for some Genesee map units for join purposes along the Jennings County line. The typical pedon for the subset taxonomic unit is the OSD type location in Jefferson County, Indiana.

Wrays Series - Previously correlated as Wellston series. In the Camp Atterbury part of the Brown and part of Bartholomew County, part of the map unit correlated as WeC2 Wellston-Gilpin silt loams, 6 to 20 percent slopes, eroded with a lithic contact is correlated to the SoeC2 Spickert-Wrays complex map unit.

In the Bartholomew County Survey, the 1976 map units of Zanesville (ZaC2, ZaC3) are correlated to the SolC2 and SolC3 map units that are a Spickert-Wrays complex. The 1976 map units of Gilpin (GlD2, GlD3, GpE) are correlated to the GgfE2 map unit that is a Gilwood-Wrays complex. The typical pedon for the subset taxonomic unit is the OSD type location in Scott County, Indiana.

Xenia Series Previously correlated as Xenia series. The typical pedon for the subset taxonomic unit is the OSD type location in Putnam County, Indiana (XabB2).

Zipp Series Previously correlated as Zipp series. Areas of Zipp soils that were mapped on flood plains are recorrelated as Wilhite series. Areas of Zipp soils that were mapped on till plains are recorrelated as Cyclone series. Slope is added to the map unit name. The typical pedon for the subset taxonomic unit is the OSD type location in Warrick County, Indiana.

BARTHOLOMEW COUNTY, INDIANA
PRIME FARMLAND

Map symbol	Map Unit Name
AddA	Avonburg silt loam, 0 to 2 percent slopes (Prime farmland if drained)
AddB2	Avonburg silt loam, 2 to 4 percent slopes, eroded (Prime farmland if drained)
AfsB	Alvin-Princeton fine sandy loams, 2 to 6 percent slopes
AmkA	Ayrshire fine sandy loam, 0 to 2 percent slopes (Prime farmland if drained)
BbhA	Bartle silt loam, 0 to 2 percent slopes (Prime farmland if drained)
BbiB	Bartle-Pekin silt loams, 2 to 6 percent slopes (Prime farmland if drained)
BcrAW	Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration
BdhAH	Bellcreek silty clay loam, 0 to 1 percent slopes, frequently flooded, brief duration (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
BfbAH	Bellcreek silt loam, 0 to 1 percent slopes, frequently flooded, brief duration (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
BgeAW	Birds silt loam, 0 to 1 percent slopes, occasionally flooded, very brief duration (Prime farmland if drained)
BodAV	Bonnie silt loam, 0 to 1 percent slopes, frequently flooded, very brief duration (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
CldB2	Cincinnati-Blocher silt loams, 2 to 6 percent slopes, eroded
ClfA	Cobbsfork silt loam, 0 to 1 percent slopes (Prime farmland if drained)
CmbAW	Cohoctah loam, 0 to 1 percent slopes, occasionally flooded, very brief duration (Prime farmland if drained)
CmzA	Cliftycreek silt loam, 0 to 2 percent slopes
CmzB2	Cliftycreek silt loam, 2 to 6 percent slopes, eroded
CudA	Crosby silt loam, 0 to 2 percent slopes (Prime farmland if drained)
CulB	Crosby-Williamstown silt loams, 2 to 4 percent slopes (Prime farmland if drained)
CxdA	Cyclone silty clay loam, 0 to 1 percent slopes (Prime farmland if drained)
EcyAH	Eel loam, 0 to 2 percent slopes, frequently flooded, brief duration (Prime farmland if protected from flooding or not frequently flooded during the growing season)
EcyAW	Eel loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
EdeAW	Eel silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
EepAQ	Elkinsville silt loam, 0 to 2 percent slopes, rarely flooded
FdbA	Fincastle silt loam, 0 to 2 percent slopes (Prime farmland if drained)
FdqB	Fincastle-Xenia silt loams, 2 to 4 percent slopes (Prime farmland if drained)
FexA	Fox loam, 0 to 2 percent slopes
FexAQ	Fox loam, 0 to 2 percent slopes, rarely flooded
FexB2	Fox loam, 2 to 6 percent slopes, eroded
GccAH	Genesee loam, 0 to 2 percent slopes, frequently flooded, brief duration (Prime farmland if protected from flooding or not frequently flooded during the growing season)
GccAW	Genesee loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
GcpAW	Genesee silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
HcgAW	Haymond silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
HctAW	Haymond-Wirt silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration
HleAW	Holton silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration (Prime farmland if drained)

Map symbol	Map Unit Name
LeaA	Lauer silt loam, 0 to 2 percent slopes (Prime farmland if drained)
MecAQ	Martinsville loam, 0 to 2 percent slopes, rarely flooded
MecB	Martinsville loam, 2 to 6 percent slopes
MfwA	Martinsville loam, sandy substratum, 0 to 2 percent slopes
MfwAQ	Martinsville loam, sandy substratum, 0 to 2 percent slopes, rarely flooded
MfwB2	Martinsville loam, sandy substratum, 2 to 6 percent slopes, eroded
MfxA	Martinsville sandy loam, sandy substratum, 0 to 2 percent slopes
MhuA	McGary silt loam, 0 to 2 percent slopes (Prime farmland if drained)
MhyB	Medora silt loam, 2 to 6 percent slopes
MjjAH	Medway silty clay loam, 0 to 2 percent slopes, frequently flooded, brief duration (Prime farmland if protected from flooding or not frequently flooded during the growing season)
MnpB2	Miami silt loam, 2 to 6 percent slopes, eroded
MqbA	Milton silt loam, 0 to 2 percent slopes
MqbB2	Milton silt loam, 2 to 6 percent slopes, eroded
NaaB2	Nabb silt loam, 2 to 6 percent slopes, eroded
NpcA	Nineveh gravelly sandy loam, 0 to 2 percent slopes
NpcAQ	Nineveh gravelly sandy loam, 0 to 2 percent slopes, rarely flooded
NpeA	Nineveh sandy loam, 0 to 2 percent slopes
NpeAQ	Nineveh sandy loam, 0 to 2 percent slopes, rarely flooded
NpeB2	Nineveh sandy loam, 2 to 6 percent slopes, eroded
ObaA	Ockley loam, 0 to 2 percent slopes

OfaAW	Oldenburg silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
PcrB2	Pekin silt loam, 2 to 6 percent slopes, eroded
PhaA	Peoga silt loam, 0 to 1 percent slopes (Prime farmland if drained)
PlpAV	Piopolis silty clay loam, 0 to 1 percent slopes, frequently flooded, very brief duration (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
RehA	Rensselaer-Treaty silt loams, 0 to 1 percent slopes (Prime farmland if drained)
ReyA	Rensselaer loam, 0 to 1 percent slopes (Prime farmland if drained)
ReyAQ	Rensselaer loam, 0 to 1 percent slopes, rarely flooded (Prime farmland if drained)
RtxAH	Rossburg silt loam, 0 to 2 percent slopes, frequently flooded, brief duration (Prime farmland if protected from flooding or not frequently flooded during the growing season)
RtxAK	Rossburg silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration
RywB2	Russell silt loam, 2 to 6 percent slopes, eroded
SfyA	Shircliff silt loam, 0 to 2 percent slopes
SldAH	Shoals silt loam, 0 to 2 percent slopes, frequently flooded, brief duration (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
SldAW	Shoals silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration (Prime farmland if drained)
SnfA	Sleeth loam, 0 to 2 percent slopes (Prime farmland if drained)
SoaB	Spickert silt loam, 2 to 6 percent slopes
SocAH	Sloan silty clay loam, 0 to 1 percent slopes, frequently flooded, brief duration (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
SocAW	Sloan silty clay loam, 0 to 1 percent slopes, occasionally flooded, very brief duration (Prime farmland if drained)
StaAV	Steff silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration (Prime farmland if protected from flooding or not frequently flooded during the growing season)
StdAQ	Stendal silt loam, 0 to 2 percent slopes, rarely flooded (Prime farmland if drained)

Map symbol	Map Unit Name
StdAV	Stendal silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
StmB	Stonehead silt loam, 2 to 6 percent slopes
SuoAH	Stonelick fine sandy loam, 0 to 2 percent slopes, frequently flooded, brief duration (Prime farmland if protected from flooding or not frequently flooded during the growing season)
WaaAV	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, very brief duration (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
WaaAW	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration (Prime farmland if drained)
WacAW	Wakeland-Birds silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration (Prime farmland if drained)
WbiAW	Wilbur-Wakeland silt loams, 0 to 2 percent slopes, occasionally flooded, very brief duration
WdrB2	Wawaka silt loam, 2 to 6 percent slopes, eroded
WokAW	Wilbur silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
WolAV	Wilhite silty clay, 0 to 1 percent slopes, frequently flooded, very brief duration (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
WprAV	Wirt loam, 0 to 2 percent slopes, frequently flooded, very brief duration (Prime farmland if protected from flooding or not frequently flooded during the growing season)
WprAW	Wirt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration
WqlA	Westland clay loam, 0 to 1 percent slopes (Prime farmland if drained)
WqlAQ	Westland clay loam, 0 to 1 percent slopes, rarely flooded (Prime farmland if drained)
WsuA	Whitaker loam, 0 to 2 percent slopes (Prime farmland if drained)
WsyAQ	Whitaker sandy loam, 0 to 2 percent slopes, rarely flooded (Prime farmland if drained)
WufB2	Williamstown silt loam, 2 to 6 percent slopes, eroded
XabB2	Xenia silt loam, 2 to 6 percent slopes, eroded
XfuB2	Miami-Rainsville complex, 2 to 6 percent slopes, eroded
ZboA	Zipp silty clay loam, 0 to 1 percent slopes (Prime farmland if drained)

CLASSIFICATION OF THE SOILS
OF
BARTHOLOMEW COUNTY, INDIANA

Soil name	Family or higher taxonomic class
Alvin	Coarse-loamy, mixed, superactive, mesic Typic Hapludalfs
Avonburg	Fine-silty, mixed, active, mesic Aeric Fragic Glossaqualfs
Ayrshire	Fine-loamy, mixed, active, mesic Aeric Endoaqualfs
*Bartle	Fine-silty, mixed, active, mesic Aeric Fragiaqualfs
Beanblossom	Loamy-skeletal, mixed, active, mesic Fluventic Dystrudepts
Bellcreek	Fine, smectitic, mesic Fluvaquentic Endoaquolls
Birds	Fine-silty, mixed, superactive, nonacid, mesic Typic Fluvaquents
Blocher	Fine-silty, mixed, active, mesic Oxyaquic Hapludalfs
Bloomfield	Sandy, mixed, mesic Lamellic Hapludalfs
Bonnell	Fine, mixed, active, mesic Typic Hapludalfs
Bonnie	Fine-silty, mixed, active, acid, mesic Typic Fluvaquents

Brownstown	Loamy-skeletal, mixed, active, mesic Typic Dystrudepts
Casco	Fine-loamy over sandy or sandy-skeletal, superactive, mesic Inceptic Hapludalfs
Chetwynd	Fine-loamy, mixed, semiactive, mesic Typic Hapludults
Cincinnati	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Cliftycreek	Fine, mixed, active, mesic Typic Hapludalfs
Cobbsfork	Fine-silty, mixed, active, mesic Fragic Glossaqualfs
Cohoctah	Coarse-loamy, mixed, active, mesic Fluvaquentic Endoaquolls
Coolville	Fine, mixed, active, mesic Aquultic Hapludalfs
Crosby	Fine, mixed, active, mesic Aeric Epiaqualfs
Cyclone	Fine-silty, mixed, superactive, mesic Typic Argiaquolls
Deam	Fine, illitic, mesic Ultic Hapludalfs
Eel	Fine-loamy, mixed, superactive, mesic Fluvaquentic Eutrudepts
Elkinsville	Fine-silty, mixed, active, mesic Ultic Hapludalfs
Fincastle	Fine-silty, mixed, superactive, mesic Aeric Epiaqualfs
Fox	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Hapludalfs
Genesee	Fine-loamy, mixed, superactive, mesic Fluventic Eutrudepts
Gilwood	Fine-loamy, mixed, semiactive, mesic Typic Hapludults
Gnawbone	Fine-silty, mixed, semiactive, mesic Typic Hapludults
Haymond	Coarse-silty, mixed, superactive, mesic Dystric Fluventic Eutrudepts
Hickory	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Holton	Coarse-loamy, mixed, active, nonacid, mesic Aeric Endoaquepts
Kendallville	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Kurtz	Fine-silty, mixed, semiactive, mesic Ultic Hapludalfs
Lauer	Fine-silty, mixed, active, mesic Aeric Epiaqualfs
Martinsville	Fine-loamy, mixed, active, mesic Typic Hapludalfs
McGary	Fine, mixed, active, mesic Aeric Epiaqualfs
*Medora	Fine-silty, mixed, active, mesic Typic Fragiudults
Medway	Fine-loamy, mixed, superactive, mesic Fluvaquentic Hapludolls
Miami	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
**Milton	Fine, mixed, active, mesic Typic Hapludalfs
Nabb	Fine-silty, mixed, active, mesic Aquic Fragiudalfs
**Nineveh	Fine-loamy over sandy or sandy-skeletal, mixed, active, mesic Typic Argiudolls
Ockley	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Oldenburg	Coarse-loamy, mixed, active, mesic Fluvaquentic Eutrudepts

Soil name	Family or higher taxonomic class
Orthents	Orthents
*Pekin	Fine-silty, mixed, active, mesic Aquic Fragiudults
Peoga	Fine-silty, mixed, superactive, mesic Fragic Epiaqualfs
Pike	Fine-silty, mixed, active, mesic Ultic Hapludalfs
Piopolis	Fine-silty, mixed, active, acid, mesic Typic Fluvaquents
Princeton	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Rainsville	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
Rarden	Fine, mixed, active, mesic Aquultic Hapludalfs
Rensselaer	Fine-loamy, mixed, superactive, mesic Typic Argiaquolls
Rodman	Sandy-skeletal, mixed, mesic Typic Hapludolls
Rossburg	Fine-loamy, mixed, superactive, mesic Fluventic Hapludolls
Russell	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Senachwine	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Shircliff	Fine, mixed, active, mesic Oxyaquic Hapludalfs
Shoals	Fine-loamy, mixed, superactive, nonacid, mesic Fluvaquentic Endoaquepts
Sleeth	Fine-loamy, mixed, active, mesic Aeric Endoaqualfs
Sloan	Fine-loamy, mixed, superactive, mesic Fluvaquentic Endoaquolls
*Spickert	Fine-silty, mixed, active, mesic Typic Fragiudults
*Steff	Fine-silty, mixed, active, mesic Fluvaquentic Dystrudepts
Stendal	Fine-silty, mixed, active, acid, mesic Fluvaquentic Endoaquepts
Stonehead	Fine-silty, mixed, active, mesic Oxyaquic Hapludalfs
Stonelick	Coarse-loamy, mixed, superactive, calcareous, mesic Typic Udifluvents
Treaty	Fine-silty, mixed, superactive, mesic Typic Argiaquolls
Udorthents, loamy	Udorthents
Udorthents, rubbish	Udorthents
Udorthents, sandy	Udorthents
Wakeland	Coarse-silty, mixed, superactive, nonacid, mesic Aeric Fluvaquents
Wawaka	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Wellrock	Fine-silty, mixed, active, mesic Ultic Hapludalfs
Westland	Fine-loamy, mixed, superactive, mesic Typic Argiaquolls
Whitaker	Fine-loamy, mixed, active, mesic Aeric Endoaqualfs
Wilbur	Coarse-silty, mixed, superactive, mesic Fluvaquentic Eutrudepts
Wilhite	Fine, mixed, active, nonacid, mesic Fluvaquentic Endoaquepts
Williamstown	Fine-loamy, mixed, active, mesic Aquic Hapludalfs
Wirt	Coarse-loamy, mixed, superactive, mesic Dystric Fluventic Eutrudepts
Wrays	Fine-silty, mixed, active, mesic Typic Hapludults
Xenia	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Zipp	Fine, mixed, active, nonacid, mesic Typic Endoaquepts

(One asterisk in the first column indicates that the soil is a taxadjunct to the series. Two asterisks in the first column indicate that only certain map units are taxadjuncts to the series. See text for description of those characteristics of the soil that are outside the range of the series.)

CERTIFICATION STATEMENT

The MLRA Region 11 Team Leader certifies that:

a. The fieldwork activities were completed in December 2000.

b. Bartholomew County joins the following survey areas:

Brown County to the west was published in 1990.

Johnson County to the northwest was published in 1979.

Shelby County to the northeast was published in 1974.

Decatur County to the east was published in 1983.

Jennings County to the southeast was published in 1976.

Jackson County to the southwest was published in 1990.

An exact join will be completed when these counties are updated to the MLRA legend.

c. Interpretations have been coordinated and agree with adjoining survey areas.

d. The location of all typical pedons has been checked for correct location and for the soil delineations using that name. Typical pedons are those that represent the taxonomic units in MLRA 111, 114, and 120. Not all typical pedons are located in Bartholomew County, but are within other subsets of MLRA 111, 114, and 120.

e. All typical pedons are classified according to Keys of Soil Taxonomy, Eighth edition, 1998.

f. The digital soil maps once completed will be reviewed for accuracy and consistency.

Approval Signature and Date

Travis Neely 3/14/02 Jane E. Hardisty 3/14/02

Travis Neely **Date**
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